



ADMINISTRATION REPORT
OF
THE GOVERNMENT MUSEUM, MADRAS
THE NATIONAL ART GALLERY, MADRAS
THE GOVERNMENT MUSEUM, PUDUKKOTTAI
AND
THE CONNEMARA PUBLIC LIBRARY
(Exchange Section) MADRAS

FOR THE YEAR
1967-68

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GOVERNMENT OF TAMIL NADU
1969

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GOVERNMENT OF TAMIL NADU
1969

ADMINISTRATION REPORT FOR 1967-68.

GOVERNMENT MUSEUM, MADRAS.

GENERAL.

Distinguished Visitors.—The following were among the distinguished visitors who visited the Government Museum, Madras and the National Art Gallery, Madras during the period under report :—

- (1) The Speaker, Legislative Assembly, Jammu and Kashmir.
- (2) The Honourable Thiru Sardar Ujjal Singh, Governor of Madras, Madras.
- (3) The Honourable Thiru C. N. Annadurai, Chief Minister of Madras, Madras.
- (4) The Honourable Thiru V. R. Nedunchezhiyan, Minister for Education and Industries, Madras.
- (5) Ajit Mookerji, Director, Crafts Museum, New Delhi.
- (6) The Honourable Thiru Srigay Ramaswamy, Minister for Social Welfare, Andhra Pradesh.

They were received by the Director, the Assistant Director and the Curators and shown round the various galleries of the Museum.

Special Exhibitions—International Campaign for Museums.—In response to a request by the Indian National Committee for the International Council of Museums, the Government Museum, Madras participated in the Second International Campaign for Museums. The Campaign was inaugurated on the 26th October, 1967 by Honourable Thiru C. N. Annadurai, Chief Minister of Madras when His Excellency Thiru Sardar Ujjal Singh, Governor of Madras, presided. A special exhibition in this connection was also arranged which was opened by the Honourable Thiru R. Nedunchezhiyan, Minister for Education and Industries, Government of Madras.

To make the rising generation of the student community alive to the important role the museums play in the academic and educational spheres the Madras Museum organised an oratorical contest among the college and high school students, the subject being "The role of Museums in Education", the medium being English for the former and Tamil for the latter. There was a good response from both colleges and schools and the participants gave a good account of the subject. Prizes to the successful participants were distributed on the inaugural day by the Honourable Minister for Education.

The Special Exhibition consisted of some of the most important acquisitions made in recent times including many which have not yet been exhibited in the galleries. It also included a wing which illustrated the various functions of the museum and provided an index to its manifold activities. These were shown by means of photographs, charts and actual objects. The activities thus depicted are varied among which mention must be made of the collection of objects, their documentation, preservation, display and interpretation besides studies and publications on them. Another wing of the exhibition was the motive in character and consisted of objects of temple arts. The various types and modes of South Indian temple architecture were shown by enlarged photographs. The allied art of sculpture was also similarly recounted with special reference to their iconographic traits. Charts and drawings were also displayed to reveal the richness and variety in ritual objects, ornaments, etc. A selected group of wood carvings and musical instruments also deserve mention.

As part of its participation in the campaign the Museum also organised a series of lectures on different subjects bearing relevance to museums and fields of knowledge covered by museums by competent speakers. This series lasted from the 27th October to 13th November 1967. On each day the lectures were followed by suitable film shows.

In addition to the above Special Exhibition the Museum's programme of periodical special displays continued throughout the year. The following were such displays:—

- (1) Biological Relief-Models (Botany and Zoology Sections).
- (2) Molluscan Shells from West Germany (Zoology Section).
- (3) Tribal Photographs (Anthropology Section).
- (4) Manuscripts of the poet Subrahmanya Bharati (Archaeology Section).
- (5) Paintings in Moldavian Churches. (Archaeology Section).
- (6) Ores of Non-ferrous metals (Geology Section).

Popular Lectures on Museum Subjects.—A scheme of popular lectures by the Museum staff on selected topics bearing on the fields covered by the Museum for the benefit of college students, scholars and general public was launched during the period. The following lectures were delivered under the programme during the period (this included also the Second International Campaign for Museums).

- (1) "Dating of Sculptures: Need for Rethinking" by Thiru V. R. Mani, Assistant Curator for Archaeology.
- (2) "The Whales" by Thiru G. Kesavaram, Curator for Zoology.
- (3) "Disposal of the dead among the tribes" by Thiru N. Devasahayam, Curator for Anthropology.
- (4) "Refractories" by Thiru E. George Jesudossan, Curator for Geology.
- (5) "Indian Paintings (after 1500 A.D.)" by Thiru V. N. Srinivasa Desikan, Curator for Archaeology.
- (6) "Animals of the Deep Sea" by Thiru S. T. Satyamurti, Director of Museums.
- (7) "Insect-eating plants of Madras" by Thiru M. S. Chandrasekhar, Curator for Botany.
- (8) "Geology in the Museum" by Thiru George Jesudossan, Curator for Geology.
- (9) "Andhra Leather Shadow-play figures" by Thiru N. Devasahayam, Curator for Anthropology.
- (10) "Popularising Anthropology through Museums" by Thiru N. Devasahayam, Curator for Anthropology.
- (11) "Two Unique Bronzes in the Madras Museum" by Thiru V. N. Srinivasa Desikan, Curator for Archaeology.
- (12) "Chronology and Art History" by V. R. Mani, Assistant Curator for Archaeology.
- (13) "Architectural Terms in Early Tamil Literature" by V. R. Mani, Assistant Curator for Archaeology.
- (14) "Temple cars" by Thiru N. Sankaranarayana, Guide.
- (15) "Natural History Museums and Education" by Thiru G. Kesavaram, Curator for Zoology.
- (16) "The Influence of Environment" by Thiru S. Thangavelu, Curator for Chemical Conservation.

Museum Demonstrations.—As in the previous year demonstrations to the teachers of the local high schools were conducted. The object of these demonstrations was to enable the teachers to guide their pupils round the galleries.

Audio-Visual Aids.—Sale of the miniature bronze replicas of Rama and Sita and Nataraja and the electro-plated metal casts of coins was continued as usual during the year. Sale of picture post-cards, photographs and photographic albums was also continued.

Museums Camp.—The Assistant Curators in the Botany and Zoology sections were deputed to attend as participants in the Museums Camp held at Calcutta from the 6th to 17th November, 1967.

Museum Advisory Committee.—A meeting of the Museum Advisory Committee was held on 13th September 1967 at the Secretariat to consider a proposal for preparing 30 numbers of miniature bronze replicas of the bronze icon of Ardhanarisvara for sale.

National Art Gallery Committee.—A meeting of the National Art Gallery Committee was convened in April 1968 for the selection and purchase of paintings for the National Art Gallery.

Miscellaneous Committees.—The Director attended the meetings of the Committee for the Survey of Historical Records, the Madras State Small-Scale Industries and Handicrafts Board and the General Council of the State Lalit Kala Akademy held during the year as an official member.

Government Museum, Pudukkottai.—The Director inspected the Government Museum, Pudukkottai during August 1967 and submitted his inspection report to Government embodying his suggestions for improvement, etc. (in his letter No. 3893/67-A3, dated 14th August 1967).

Padmanabhapuram Palace and Museum of Antiquities.—The Director inspected the Padmanabhapuram Palace and Museum of Antiquities in November 1967, and submitted his inspection report to Government, embodying his suggestions for improvement, etc., and his remarks (in his letter No. 4327/67-E, dated 18th November 1967).

Trivandrum Museum and Chitralayam, Trivandrum.—The Director inspected the Trivandrum Government Museum and Chitralayam in November 1967, in his capacity as Official Visitor and submitted his inspection report to Government, embodying his suggestions for improvement, etc., and his remarks (in his letter No. 1509/66-E, dated 18th November 1967).

Lectures in Museology.—The Director delivered a course of two lectures on the Natural History Museums of the World to the students of the Diploma Course in Museology at the University of Baroda in September 1967.

Scientific Publications by the Director.—During the year the printing of the Director's two Bulletins, one on the Butterflies in the Collection of the Museum and the other on the South Indian Amphibia in the collection of the Museum were in the final stages of printing. In addition to these, the Guide to the Invertebrate Galleries, published by the Director was received from the Press and released for sale. The Director continued his systematic studies on South Indian Littoral Echinoderms and also contributed an article on "Current Trends in Museum Education and Research" to the Journal, Studies in Museology.

Publications.—The following publications were brought out by the Museum during the year :—

- (1) "A Guide to the National Art Gallery" by Thiru V. N. Srinivasa Desikan, Curator for Archaeology.
- (2) "A Guide to the Invertebrate Galleries" by Dr. S. T. Satyamurti, Director of Museums.

The following publications were in the press during the year under report :—

- (1) Descriptive Catalogue of Butterflies in the collection of the Madras Government Museum by S. T. Satyamurti, Director of Museums.
- (2) South Indian Amphibia in the collection of the Madras Government Museum by S. T. Satyamurti, Director of Museums.

ZOOLOGY.

Additions to the collections.—

- (1) The skin of a young specimen of Four-horned Antelope (*Tetraceros quadri-cornis*).
- (2) The skin of Kera or Water Cock (*Gallicrex cineria*).
- (3) The Stuffed and mounted specimen of panther (*Panthera pardus*).
- (4) The skin of young Spotted-billed Pelican (*Pelicanus philippensis*).
- (5) A collection of 30 (thirty shall specimens reserved from Ubersee Museum Bremen, West Germany.
- (6) The skin of Ring-necked Pheasant (*Phasianus torquatus*)
- (7) The skin of Tiger (*Panthera tigris*) sent to Southern Taxidermists, Bangalore for getting it stuffed and mounted.
- (8) The skin of Spotted-billed Pelican (*Pelicanus philippensis*).
- (9) The skin of Blue and Red Macaw Parrot (*Ara sp.*).
- (10) The skin of Jungle cat (*Felis chaus*).
- (11) The skin of Mouse Deer (*Moschiola memina*).
- (12) The Mute Swan (*Cygnus olor*).
- (13) Hair-like processes of Baleen plate of a whale (*Balaenoptera sp.*).
- (14) A collection of 7 (seven) Bird skins.
- (15) The Gadwall (*Chaulelasmus streperus*)
- (16) The Pintail (*Dajila acuta*).
- (17) The Coot (*Fulica atra*).
- (18) The Paradise Plover-Mature male. (*Chitrea paradise*).
- (19) The skin of Silver Pheasant (*Genneus nycthemerus*).
- (20) The Grey Jungle Fowl (*Gallus sonneratii*).
- (21) Two specimens of Night Heron (*Nycticorax nycticorax*).
- (22) The Nine banded Armadillo (*Dasypus novemcinctus*).
- (23) The Large American Opossum (*Didelphis marsupialis virginianus*).

Additions to the Galleries—

- (1) Some of the selected shells received from Ubersee Museum, Bremen, West Germany on exchange basis were added and exhibited in the Foreign Animals Gallery.
- (2) The Mute Swan (*Cygnus olor*) was added to the New Bird Gallery.
- (3) Twelve wooden picture frames containing the photographic enlargements of the Indian Wild Animals were exhibited both in the Skeleton and Mammal Galleries.
- (4) Two large renovated wooden picture frames containing the mounted photographs showing different uses of the Indian Elephant in a Timber company at Rangoon.
- (5) One wax scale model of a Dog-tick was displayed in the Invertebrate Gallery.

Work done in the Galleries—General Galleries.—The lower portions of the twelve pillars in the Skeleton Gallery were replastered and touched up with suitable paints. Wooden railing was erected surrounding the skull and the lower jaw of the Sperm whale so as to keep away the visitors from touching and spoiling them. One sloping case containing the selected shell specimens received from Ubersee Museum, Bremen, West Germany was added to the Foreign Animals Gallery and exhibited. The background lining of show-cases containing the Ostrich, the Cassowary and the Monal Pheasant were painted with suitable colours. The newly printed bilingual explanatory labels were put up inside the large show case containing the Evolutionary tree in the Flight in Animals Gallery.

Invertebrate Galleries.—An enlarged wax model of Dog tick mounted on a painted wooden pedestal was added and displayed along with the parasitic Arachnids exhibited in the Invertebrate Gallery. The background lining of two long wall cases, more or less extending the whole length of the Coral Gallery, two centre cases and one table wall case were painted with suitable cream colour and the specimens (both wet and dry) including the Indian ink drawings were arranged properly and re-exhibited in this Gallery.

Fish Gallery.—The detached and disturbed skeletal parts of the *Barbus* sp and the other two fishes were fixed in proper positions and re-exhibited in this gallery. The young specimen of the Tiger shark was provided with a new suitable colour paper background and after getting a newly printed label the specimen was re-exhibited.

Amphibian Gallery.—The disarticulated skeleton of Frog was renovated completely and after touching up small painted metal labels it was re-exhibited in this Gallery.

Reptile Gallery.—Some of the wax casts of Snakes were renovated as they were found to have lost their shapes due to hot weather during the months of May and June 1967.

Bird Galleries.—The distribution map placed inside the show case containing the African Crowned Crane was renovated and re-exhibited inside that case. A wooden pedestal was made and the Adjutant Stork specimen was mounted on it. The old specimen of Mute Swan exhibited in the New Bird Gallery was replaced by a recently stuffed and mounted fresh specimen received from the Madras Corporation Zoo. The glass door windows in the New Bird Gallery were provided with welded mesh by the Public Works Department to ensure better safety and security for this Gallery.

Mammal Gallery.—The old skeleton of Bandicoot was renovated and re-exhibited in this Gallery. The old discoloured skull of Sloth Bear was bleached and after cleaning it thoroughly it was re-exhibited in this gallery. The detached portions of the spread out skins of some of the carnivorous animals were fixed, remounted properly and re-exhibited inside the respective flat well cases fixed on to the wall, above the Felidae cases.

Other routine items of work such as refilling of specimen jars (both in the galleries as well as in the reserve collection), provision of naphthalene balls and other insecticides such as spraying of 'Tik-20', paradichlorobenzene, etc., to show cases and reserve collection almirans, replacing of broken glass panes of show cases by new ones, replacing of old discoloured labels by newly printed ones, cleaning the inner fogged surfaces of the glass panes of show cases, replacing the fused electric bulb and tube-lights inside the show cases by new ones, dusting and cleaning the interior of the show cases in different galleries, etc., were continued during the period under review.

Educational Activities.—

(1) A short term training course in Taxidermy for Attenders from the colleges was conducted during the second half of the months of May 1967.

(2) A collection of shells and skins of some birds and mammals were sent to Uberssee Museum, Bremen, West Germany in exchange for 30 (thirty) shell specimens received from them.

(3) The unidentified specimens received from different institutions were carefully examined, identified and returned to their respective places.

(4) At the request of the Zoological Society of the Presidency College, the Curator delivered a talk on 'The Whales' on 18th October 1967.

(5) A talk on Natural History Museums and Education was delivered by the Curator on 10th November 1967 in connection with the celebration of the International Campaign for Museums.

(6) At the request of the Natural History Society of Sir Theagaraya College, Madras-21, a talk on 'The Whales' was delivered by the Curator on 17th November 1967.

(7) A Demonstration lecture was arranged during December 1967 for the Science teachers in the Madras State who attended the Refresher course which was conducted at Sir Theagaraya College, Madras-21.

(8) Museum demonstration was conducted for the city school teachers on 6th January 1968.

(9) A talk on 'Adaptation of Animals' was delivered by the Curator to the high school students of the Central School, Indian Air Force Station, Tambaram at the request of the Science Club of that school on 27th January 1968.

(10) Copies of the Zoological publications of this Museum were lent to Madras-Christian College, Tambaram to enable them to arrange an exhibition of Scientific publications.

(11) Necessary arrangements were made while arranging a special exhibition in connection with the celebration of the Second International Campaign for Museums.

(12) Facilities were extended to a number of Indian as well as Foreign Scientists in connection with their research work.

Research and Publications.—

(1) The Director continued his research work on the Echinoderms in the collection of this Museum.

(2) The Curator continued his research work on Grasshoppers.

(3) The Bulletins on South Indian Amphibians and South Indian Butterflies by the Director were under final stages of Printing.

(4) The publication of the Guide to the Invertebrate Galleries was completed.

(5) The Guide to the Bird Gallery was under publication.

Photographs added.—Twenty photographic negatives were added during the year.

Plans for the year 1968-69.—(1) Renewal of the old rim locks for the wall cases and sloping cases in mostly all the galleries of the Zoology section.

(2) The Eagle specimen illustrating the terminology of the plumage will be added and exhibited.

(3) The newly acquired Panther and Adjutant Stock will be exhibited in their new show cases in the Mammal and Bird galleries respectively.

(4) Preparation of enlarged scale models of insects will be continued.

(5) The dry fish specimens will be painted in their natural colours and displayed in the Fish Gallery.

(6) Collection of fresh specimens of insects and filling up the drawers of the insect cabinets in the Invertebrate Galleries.

BOTANY.

New additions to the collections (including reserve).—Three specimens of fruits of *Swietenia mahagony* were collected and added. Forty herbarium specimens of Northwest German flora were acquired from the Ubersee Museum of West Germany, in exchange for thirty herbarium specimens of the Madras city flora.

New additions to the galleries.—Herbarium specimens of *Canna orientalis*, *Swietenia mahagony*, *Azadirachta indica* and *Zanichella palustris*, as well as drawings portraying the life-histories of an *Equisetum* and a typical fern, were added to the exhibits in the Systematic Botany Gallery. An illustration of retting of the stems of *Corchorus olitorius*, was prepared and added to the exhibits in the Jute series in the Economic Products Gallery.

Improvements to the galleries.—In the Systematic Botany Gallery, the charts of Bluegreen Algae and *Badhamia utricularis* were renewed with freshly-prepared ones; four painted index labels were renewed; and 126 locking-devices of herbarium-drawers were strengthened, renewing also four drawer-locks in the process. Two exhibits of wooden toys were renovated, and the display of 5 descriptive labels in "cork" and "Tea" series was also improved, in the Economic Products Gallery.

Twenty seedlings of the Drooping Asoka were planted on the canteen-side of the road from the gate to the main entrance of the Buildings, during the Vanamahotsava.

Labelling and preservation.—In the systematic Botany Gallery, 464 herbarium specimens were re-poisoned. The preservative fluid of eight exhibits of sea-weeds was renewed. The fluid-preserved exhibits of *Pouzolzia*, *Musa* and *Garcinia* were renovated. Two dry-

exhibits of mangroves were remounted and given a better display. The "plant communities" were provided with nine bilingual labels. Four painted labels of the murals and one painted index label were re-painted. The exhibits of the Blue-green Algae, the Bacteria and stems of woody plants were provided with detailed, bilingual descriptive labels. Thirty-three old printed labels of the different individual exhibits, were renewed.

In the Economic Products Gallery, the preservative fluid of eight exhibits of seaweeds was renewed. Two photographs, one of cultivation of rice and the other of coir-manufacture, were remounted. The illustration of extraction of cork, was given a better display. Two exhibits of chessmen were provided with printed labels; and 34 printed individual labels of coir-manufacture series and domestic articles series, were renewed.

In the reserve collections 246 herbarium specimens were re-poisoned, and one old herbarium specimen was renovated. As many as 123 pressed specimens were mounted on herbarium sheets. Four sketch-labels in Tamil were prepared for four biological relief-models in plastic. Index cards were prepared for 1,259 specimens.

Research.—An artificial key for identification and a glossary were prepared for the work on ferns, when the entire text had to be recast owing to newer schemes gaining ground in the recent months; typing out this work and preparation of illustrations for it, were half-way through when the year under review drew to a close.

Literature on the history of important museums with large botanical collections, was collected, and a list of the same was compiled.

Publications.—A paper on "Preservation of Dry Fruits and Seeds with colour" by Thiru M. S. Chandrasekhar, was published in the *Studies in Museology*. Publication of the proposed brochure on this Museum was expedited, and its final proofs were corrected and the strike order for it, was issued.

Additions to the Sectional Library were "A short Guide to the Industrial Section Galleries of the Indian Museum" by Thiru K. S. Srinivasan; J. C. Willys' "Dictionary of Flowering Plants and Ferns", revised by Airy Shaw; and "Marg" volume XIII, No. 3, 1960.

Lectures.—The lectures delivered during the year were; an explanatory lecture on Plant Morphology, to 40 students from the San Thome High School, Madras; a general lecture on Museology, to 9 students of the M. S. University of Baroda; a popular lecture on insect-eating plants of Madras, to the guests of the International Campaign for Museums, three demonstration lectures on general Botany, to 12 teachers of the city high-schools, and to 22 students of the central school, Indian Air Force, Tambaram, and to 50 teacher-pupils of the Thegaraja College Refresher Course for the State Biology Teachers, and to 45 in service trainees from the State Institute of Education; and an illustrated lecture on economic importance of plants, to the Science club of the Central School, Indian Air Force, Tambaram. Besides these lectures, 27 educational film-shows were also conducted.

Facilities afforded to research-workers and others.—Facilities were afforded as usual, to research-workers and others, the principal beneficiaries being Thiru Ozman Ali of the Ayurvedic Co-operative Factory, Adyar; Director, Batistavia Museum, Batistavia, Thiru Sen Gupta of the Zoological Survey of India; and Prof. M. Ekambaranatha Iyer, formerly of the Presidency College, Madras.

Photographs added.—Three photographs of pitcher plants and one photograph of an aerial view of the agricultural implements on display at the special exhibition in the International campaign for Museums II were prepared and added.

Four 16 m.m. sound films, viz., "Rocks and Gems", "Parade of Ancient Life", "Carnivorous Plants", and "Production of Hydrochloric Acid", were purchased and a nucleus for a film library was started.

Future Plans for 1968-69.—Specimens will be collected for the herbarium and for a few proposed dioramas.

Forty-four samples of important commercial timbers of India, ten models of schematic representation of indorescences, four relief models of botanical topics in plastic, and a few samples of yarn dyed with vegetable dyestuffs, will be added to the exhibits in the galleries.

The defective knobs of the herbarium-drawers in the Systematic Botany Gallery will be changed with newly-devised ones. The "Tea Map" in the Economic Products gallery will be renewed.

Labelling and preservation will be attended to according to the needs that may develop from time to time.

The work on ferns will be completed, and revision of P. V. Mayuranathan's "Flowering Plants of the Madras City and its Immediate Neighbourhood", will be undertaken.

An attractive illustrated brochure on this Museum, a bulletin on ferns, a brief guide to the Economic Products Gallery, and six picture post-cards of some common Madras fruits will be published.

A special exhibition of select herbarium specimens of the North-West German flora will be conducted.

GEOLOGY.

Additions to the collections.—(1) Specimens of vesicular basalt, amygdaloidal basalt, pectolite and trachyte were purchased from Messrs. Mackey and Mackey Company, Dehu Road, Poona.

(2) Specimens of fibreglass rovings, fibreglass chopped strand mat, fibreglass surfacing mat, fibreglass crown white wool, fibreglass crown tissue wool and fibreglass yarn were received as presents from the Bombay Company Private Limited, Madras.

(3) Six Specimens of fibreglass cloth were received as gifts from Messrs. Jhavarl Thadani Corporation, Calcutta, Messrs. Eastern Traders, Calcutta and Messrs. Wayon Fabrics, Bombay.

(4) Stoneware jar with lid and miniature samples of wash basin and urinal were received as presents from the Director of Industries and Commerce, Madras.

(5) Three specimens of zeolite were received from Thiru N. Devasahayam.

(6) A flow-chart pertaining to glass manufacture was received from the Scientific Glass Apparatus Factory, Guindy.

Improvements to the galleries.—Permanent electrical connections were provided for the central modernised show-cases. The bottom portion of the wall show-cases pertaining to Building Stones was panelled and varnished. Fresh cloth linings were provided for the table cases containing the fossil elephant skull and huge quartz specimen. The old uncoloured charts on folds were replaced by coloured glass bound ones. A chart showing the important products derived from coal was prepared glass bound and exhibited in the modernised show-case pertaining to coal. The cardboard boxes of which four Devonian fossils and one Pliocene fossil were exhibited were removed and the specimens were mounted on wooden planks and the planks were fixed in an inclined position to enable the visitors to have a better view of them. The plant fossils from Britain were exhibited in a bigger show-case. Two charts pertaining to Fossils and a photograph pertaining to General Geology were renovated and re-exhibited in the Gallery as they were spoilt by the rain-water. The glass panes covering three separate specimens pertaining to South Arcot Lignite were re-fixed properly as they were loose. Three fossil specimens were re-fixed to their planks and re-exhibited as they had fallen off from their planks. The railing on top of the mezzanine floor which had broken was repaired. An inter-communicating lock was provided for the ante-room door separating the Geology Gallery. Accession numbers were painted on some of the specimens which were received recently.

Labelling and preservation.—Sub-index labels for Structure of the Earth, Action of Plants, Action of Animals Action of Wind, Glaciers, Volcanoes and Earthquakes were re-painted with tamil equivalent and were re-fixed in the gallery. Re-painting the index labels for the show-cases on the mezzanine floor was completed. Glass bound descriptive

labels were provided for the exhibits pertaining to Abrasives and Pigments. Some of the old, faded labels pertaining to Glass were renewed. Some of the rain-stained labels pertaining to Minerals were also renewed. A broken cut-out letter in a modernised show-case was repaired. A fallen index label pertaining to Fossils was refixed with brass clamps prepared in the section. A specimen of marcasite was preserved and re-exhibited in the gallery.

Facilities to research workers and others.—(1) Some semi-precious stones brought by Thiru K. Srinivasan of Nattar House, Poolambadi Post, Perambalur Taluk, Tiruchirappalli District were identified and information on gem stones was also furnished to him.

(2) A specimen brought by Mrs. Sudha Varadarajan of 14, IV Cross Street, City Improvement Trust Colony, Mylapore was identified as a limestone with dendritic markings.

(3) A specimen brought by Thiru T. D. Rajendran of Sri Krishna Match Works, Sivakasi, was identified as Iceland spar and its uses were also explained to him. Information on radioactive minerals was also furnished to him.

(4) Facilities were afforded to Thiru A. Madhavan to study the corundum specimens in the reserve collections.

(5) Information on fossils and minerals in the Museum was furnished to the International Museum's Committee.

(6) Information regarding the Valudavur meteorite exhibited in the Gallery was furnished to Thiru R. Subramanian, Assistant Director, Chemical Examiners Laboratory, Madras.

(7) Information on bentonite and graphite was furnished to Thiru B. Subhash of Messrs. Vijay Brothers, 33, Govindappa Naick Street, Madras.

(8) Information pertaining to lodestone, hematite and magnetite was furnished to Thiru R. Seetharama Chetty of 21, Samayavaradhammaikoil street, Madras.

(9) The Exhibits in the Geology Gallery were explained to Dr. J. Jelinek, Director, Moravian Museum, Czechoslovakia, Thiru A. Bose, Officer-in-charge, Visvesvaraya Industrial and Technical Museum, Bangalore; and to Thiru A. S. Talwar, Under Secretary, Ministry of Education, Government of India.

(10) The Hand book of Museum Technique was loaned to Thiru A.S. Raman, Proprietor, Industrial and Research Products, No. 1, First Cross Street, Sriram Nagar Madras-18.

(11) Facilities were afforded to a representative from Delhi to photograph the fossil elephant skull to be televised at Delhi. Information on the same was also furnished to him.

Photographs added.—Thirteen half-size photographs pertaining to Glass manufacture and one pertaining to a special exhibition on clays and their products were prepared and added to the album maintained in the section.

ANTHROPOLOGY.

Additions to the collection.—(1) The following Prehistoric materials were added to the collection :—

(a) Twenty megalithic potteries collected from Kovur Village, Nellore District were received as gift from Thiru P. V. R. Naidu.

(b) Three potteries and two bronze vessels of the megalithic age were received as gift from Thiru G. J. Raja Singh, District Forest Officer, Vellore.

(c) Six prehistoric green beads were received as gift from Thiru S. T. Srinivasagopalachari, Madras.

2. The following Ethnographic materials were added to the collection :

(a) A Mangbutu (Congo) Carving of a mother and a child, a wood-carving of a village scene in Central African Republic and the bronze weights used by Ashanti tribal group of Ghana were got by exchange from the Brooklyn Children Museum, Brooklyn, New York.

(b) Five flat votive offering figures of a man, a woman, a scorpion, a snake, and a mouse were purchased by the Curator during a field trip to Periapalayam.

(c) Eight miniature temple Vahanas and a fifty leather shadow play figures were purchased from the Director, Handicrafts Emporium, Madras.

(d) Three sets of Palm leaf manuscripts were received as gift from Thiru G. J. Raja-singh, District Forest Officer, Vellore.

(e) Four glove puppets from Uttar Pradesh and a glove puppet from Maharashtra were purchased from Smt. Seethalakshmi, Puppet Player, Madras for Rs. 290.

3. The following Arms were added to the collection.

(a) One long spear bearing interesting figures of Lakshmi and Gajalakshmi was purchased from Thiru S. T. Srinivasagopalachari, Madras.

(b) One gun powder flask and seven iron cannon balls were received as gifts from Thiru S. T. Srinivasagopalachari, Madras.

(c) Four stone cannon balls collected from Polur Fort were received as gift from Thiru G. J. Raja Singh, District Forest Officer, Vellore.

(d) Ten brass imperial standards were purchased from the Public Works Department Workshop and Stores, Madras for Rs. 900.

4. The following treasure trove items were added to the collections :

(a) Two gold ear rings from Kolinjipatti village, Nilokkottai Taluk, Madurai District.

(b) A gold chain, four gold muhappus, nine nagavadams, nine ear-rings, two silver samarai, a buhappu with twelve red stones, a gold botto and a gold thali from Kondamanaickenpatty Village Namakkal Taluk, Salem District.

(c) Three gold rings and a gold place from Uthathampatti village, Thirupatt Taluk, Ramanathapuram District.

(d) A gold chain from Chidambaram Town, South Arcot District.

(e) One gold chain, one silver waist band from Alagumalai Village, Palladam Taluk, Coimbatore District.

(f) Four gold toe rings, two gold thayathu and one gold armlet thayathu from Avanasipalayam Village, Palladain Taluk, Coimbatore District.

Work done in the Galleries—Prehistory.—Two new prehistoric storage rooms were formed in the Front building and the reserve materials were neatly arranged. A descriptive plywood label on pottery was displayed in the gallery. Twenty four moth eaten labels were rebound freshly. A descriptive label (English and Tamill) for the Ram Sarce phagus case was put up.

Ethnology Gallery.—Prepared the plan and sketchings of the new cases for the proposed Puppets gallery extension. All the individual labels in the Ethnology Galleries I and II were provided with studs. The general godown was repaired and white washed by the Public Works Department.

Arms Gallery.—Two sloping cases were added with new acquisitions such as swords, cannon balls, pen-pistols, and other miscellaneous confiscated arms got from Madras Custodian the Railway Police, Salem. The background of the eight vertical cases in the Arms Gallery, II were changed with cream colour to effect better display. A treasure trove cannon got from Villupuram was suitably installed in a cemented platform in the museum lawn. An anti-sun glass partition was provided to the door gap near the Neil Statue by the Public Works Department to prevent excess of sunlight falling in and to prevent water entering in the gallery.

Musical Instruments Gallery.—Four Khadi curtains were provided for the windows in the Musical Instruments Gallery to prevent direct sun light falling on the cases. Twenty four descriptive labels pertaining to the Musical Instruments Gallery were drafted, printed and displayed in the Gallery. Twelve wooden caption labels (Autophones, Aerophones, Membranophones) and Chronophones were prepared and put up in the Gallery.

Preservation of reserve collection.—About fifty-five objects of Ethnographic, twenty-six objects of Arms were chemically treated and preserved.

Training and Lectures.—The Curator delivered twelve lectures on Prehistory and South Indian Ethnology to the students of the diploma course in Anthropology, Madras University.

Facilities to research workers.—Research facilities were to the following:—

- | | |
|---|---|
| 1 Thiru S. R. Rao, Thiru I. K. Sarma, Archaeological Survey of India, Nagpur. | Patapadu Foote's Pottery collection. |
| 2 Thiru H. B. Ari Gowder, Coonoor. | Badagar social customs. |
| 3 Thiru R. Balaraman, Archaeological Survey of India, Madras. | Silambu—A Musical Instrument. |
| 4 Thiru T. Balakrishna Nayar, Madras. | Black and red painted ware from Adichanaulk. |
| 5 Thiru O. S. Murthy, Census Department, Madras. | Caste system in South India. |
| 6 Selvi Geeta Adinarayana, Madras University. | Anthropometry. |
| 7 Shri L. A. Krishna Iyer, Palghat. | Album collection on tribes. |
| 8 Thiru S. Krishnaswamy, All India Radio, Bangalore. | Musical Instruments. |
| 9 Dr. Ajit Mukerjee, Crafts Museum, New-Delhi. | Leather shadow-play figures and folk arts. |
| 10 Mrs. Meher R. Contractor, Puppet Project of India, New Delhi. | Andhra Leather Shadow play figures. |
| 11 Dr. F. Kussmaul, Liendin Museum, Stuttgart. | South Indian Ethnology and Prehistory. |
| 12 Mr. Steve Barnett, Chicago University, U.S.A. | Urban sociology with reference to Mudaliar community. |
| 13 Thiru A. Raghavan, Palayamkottai. | Album collection on Musical Instruments. |
| 14 Thiru M. D. Raghavan, Madras. | Museum Excavations in 1934. |
| 15 Thiru C. J. Jayadev, Madras. | Tali Rite. |
| 16 Thiru Ramakrishna Rao, Department of Archaeology, Andhra Pradesh. | Museum Technique in Anthropology. |
| 17 Thiru Joseph P. Rayappa, Madras. | Ancient Weapons. |
| 18 Dr. Lawrence Leinsnik. | Megaliths. |
| 19 Dr. Gift Siromoney, Madras Christain College, Tambaram. | Neolithic implements in Tirunelveli District. |
| 20 Miss Joanne M. Punzo, U. S. Educational Trust in India, Madras. | Megaliths. |
| 21 Dr. L. Vertes, Archaeologist, Hungary. | R. B. Foote Stone implements collection. |
| 22 Dr. J. Jelinak, Archaeologist, Czechoslovakia. | Prehistory. |
| 23 Staff, All-India Radio, Madras Station. | Recording particulars about the anthropological exhibits. |
| 24 Teacher-Educators, State Institute of Education, Saidapet, Madras. | Museum Technique in Anthropology. |
| 25 The students of the Department of Museology, M. S. University of Baroda. | Museum Technique in Anthropology. |
| 26 The Students of Archaeology, Delhi School of Archaeology, New Delhi. | Foote collection. |
| 27 The Diploma students in Anthropology, Madras University. | Prehistory and South Indian Ethnology. |
| 28 Teacher-leaders, Extension Department, Teacher's college, Saidapet. | Stone Age Antiquities. |

Research and Publication — (1) A bulletin on the Museum Excavations at Kilpauk, Sankavaram and Paandua by Thiru M. D. Raghavan and the Curator was at the final stages for sending it to the press.

(2) Research papers on "South Indian Tali Rites" and "The Mudugas of Attapady" were under preparation by Sri C. J. Jayadev, for publication as Bulletins of this Museum.

(3) Two catalogues one in the collection of Arms and another on the Puppets were being prepared by the Assistant Curator and Curator respectively.

Photographs added.—Eighteen full size, five half-size, one quarter size and ten 2½ size negatives were prepared during the year and thirty-four photographs were added to the Sectional album.

Miscellaneous.—Eight-hundred and seventy-nine Index cards were prepared during the year and one hundred and two books were added to the Sectional Library. The Section helped in loaning Prehistoric and Ethnographic materials to the International Trade Fair, and Second International Tamil Conference Exhibition, Madras.

Plans for the year 1968-1969.—(1) Acquiring fresh specimens and photographs of ancient types of Musical Instruments and arranging a special exhibition.

(2) Providing more descriptive labels for the Musical Instruments Gallery exhibits.

(3) Organizing the gallery for leather shadow play figures.

(4) Lighting arrangements for the store room underneath the staircases in the Front building.

(5) Providing single glass panes to both sides of the Introductory case in the Prehistory Gallery.

(6) Bringing out one set of colour picture post cards of Kathakali folk art exhibits or leather puppets, etc.

(7) Pursuing the publication of the Bulletin prepared jointly by Mr. M. D. Raghavan and Mr. N. Devasahayam on excavations around Madras.

(8) Completion of the Arms Gallery catalogue.

(9) Getting the Manuscripts of Mr. Jayadev's paper on Tali Rites ready for the Press with illustrations.

NUMISMATICS.

New Additions—A. Treasure trove.—(1) One hundred and forty-three lead coins with Tamil-Brahmi legend from Andippatti village, Chengam taluk, North Arcot district.

B. Purchase.—(2) Three silver and fifty-two copper coins belonging to Pandya, Chola, Mysore Udayar and Indo-British from Thiru S. Arumugam, Tiruchirappalli.

(3) Nine hundred and eighty-six old postage stamps from Thiru Abdul Jaleel, Madras.

(4) Three historical documents relating to Kattabomman and two official seals of the English East India Company from Captain R. L. Rau, Thirunelveli.

C. Gift.—(5) Three bronze medals of the Madras Exhibition (Queen Victoria) from Miss Gladys Mitchell, Madras.

Work in the Section.—The coins and other objects acquired during the year and all the treasure trove hoards received were examined and the acquired items were accessioned. One hundred sets of electroplated casts of coins of India were prepared for sale. The work of cataloguing the collection of postage stamps in the Philately Gallery was continued. A set of original coins of South India was displayed at the Exhibition held in connection with the Second International Conference on Tamil Studies. Electroplated casts of selected coins from Tamilnad were prepared for the Public Department, Government of Madras, for display in the Indian International Trade and Commerce fair.

Facilities to Research Workers.—A collection of gold, silver and copper coins sent by Sri Meenakshi Sundareswarar Devasthanam, Madurai, were examined and identified.

Publications and Research.—The Assistant Director of Museums prepared a monograph on "The place of coins in South Indian History" and delivered it as the Sankar Parvathi Endowment Lecture of the University of Madras for 1967-68.

Photographic Negatives added.—No addition.

Plans for the year 1968-69.—(1) Registration of stamps will be continued.

(2) Preparation of exhibits to the proposed Numismatic Gallery.

(3) Catalogue of Roman coins to be taken up for publication by Prof. T. Balakrishnan Nayar.

(4) Bulletin of the Andippatti hoard of coins with Brahmi legend to be written.

(5) Publishing the Assistant Director's monograph on 'The place of coins in South Indian History'.

ARCHAEOLOGY.

Additions to the collections.—The following were acquired during the period under report:

(1) *By Treasure Trove*—(A) *Bronzes*.—(1) Balakrishna from Nerurvadapagam, Karur Taluk, Tiruchirappalli District.

(2) Santanagopala from Nerurvadapagam, Karur Taluk, Tiruchirappalli District.

(3) Six perforated balls from Nerurvadapagam, Karur Taluk, Tiruchirappalli District.

(4) Kirtimukha (in a prabha) from Kiranur, Palni Taluk, Madurai District.

(5) A circular plate from Kiranur, Palni, Taluk, Madurai District.

(6) Siva in Sukhasana from Tiruvelichippatti, Tiruchirappalli Taluk and District.

(7) Devi from Tiravelichippatti, Tiruchirappalli Taluk and District.

(8) Devi from Tiruvelichippatti, Tiruchirappalli Taluk and District.

(9) Ganesa from Tiruvelichippatti, Tiruchirappalli Taluk and District.

(10) Umasahita from Tiruvelichippatti, Tiruchirappalli Taluk and District.

(11) Krishna from Tiruvelichippatti, Tiruchirappalli Taluk and District.

(12) Ganesa from Tamarankottai, Pattukkottai Taluk, Thanjavur District.

(13) Ganesa from Tamarankottai, Pattukkottai Taluk, Thanjavur District.

(14) Parvati from Tamarankottai, Pattukkottai Taluk, Thanjavur District.

(15) Dancing Krishna from Naganendal, Tiruvadanai Taluk, Ramanathapuram District.

(16) Venugopala from Naganendal, Tiruvadanai Taluk, Ramanathapuram District.

(17) Dhanvantri from Naganendal, Tiruvadanai Taluk, Ramanathapuram District.

(18) Devi from Easalur, Nagapattinam Taluk, Thanjavur District.

(19) Manmatha from Vannangundu, Ramanathapuram Taluk and District.

(20) Santanagopala from Muttam, Chidambaram Taluk, South Arcot District.

(21) A container with lid from Muttam, Chidambaram Taluk, South Arcot District.

(22) Snanapitha from Muttam, Chidambaram Taluk, South Arcot District.

(23) Tripod from Muttam, Chidambaram Taluk, South Arcot District.

(24) Rattle with perforations from Muttam, Chidambaram Taluk, South Arcot District.

(25) Rattle with perforations from Muttam, Chidambaram Taluk, South Arcot District.

(26) Rattle (small) with perforations from Muttam, Chidambaram Taluk, South Arcot District.

(27) Vessel with handle from Muttam, Chidambaram Taluk, South Arcot District.

(28) Parvati from Tiruvaduthurai, Mayuram Taluk, Thanjavur District.

(29) Chandrasekhara from Tiruvaduthurai, Mayuram Taluk, Thanjavur District.

(30) Trisula from Tiruvaduthurai, Mayuram Taluk, Thanjavur District.

(31) Prabha from Tiruvaduthurai, Mayuram Taluk, Thanjavur District.

(B) *Stone sculptures and Architectural pieces.*—(1) A semi-circular arch with a low relief of Srivasta symbol, from Ilangadu, Wandiwash Taluk, North Arcot District.

(C) *Stone inscriptions.*—(1) A lithic record with 18 lines in Tamil, Ilangadu, Wandiwash Taluk, North Arcot District.

(2) A lithic record with 18 lines in Tamil, Ilangadu, Wandiwash Taluk, North Arcot District.

(3) A lithic record with 14 lines in Tamil, Ilangadu, Wandiwash Taluk, North Arcot District.

(4) A lithic record with 3 lines in Tamil, Ilangadu, Wandiwash Taluk, North Arcot District.

(5) A lithic record with 2 lines in Tamil, Ilangadu, Wandiwash Taluk, North Arcot District.

(6) A lithic record with 3 lines in Tamil, Ilangadu, Wandiwash Taluk, North Arcot District.

(Items in B and C above were lying in Wandiwash and acquired with the help of local officers.)

II. *By purchase*—(A) *Bronze.*—(1) Panchatirthi, a Jain bronze, purchased from the Assistant Collector of Customs, Preventive Department, Madras-1.

(2) Tara (Nepalese Bronze), purchased from Customs House, Madras-1.

(B) *Stone Sculptures.*—Nil.

(C) *Wood carvings.*—(1) Krishna with Gopis, Kripasamudraperumal Devasthanam, Sirupuliyur, Thanjavur District.

(2) Vishnu with Sridevi and Bhudevi, Kripasamudraperumal Devasthanam, Sirupuliyur, Thanjavur District.

(3) Vishnu with Gajendra, Kripasamudraperumal Devasthanam, Sirupuliyur, Thanjavur District.

(4) Shanmukha (or Brahma), Kripasamudraperumal Devasthanam, Sirupuliyur, Thanjavur District.

(5) Mandagi, purchased from the Handicrafts Emporium, Madras.

(6) Gandharva panel, purchased from the Handicrafts Emporium, Madras.

(7) Makarapanal, purchased from the Handicrafts Emporium, Madras.

(8) Pillars (2 in number), purchased from the Handicrafts Emporium, Madras.

(9) Yali, purchased from the Handicrafts Emporium, Madras.

(10) Yali, purchased from the Handicrafts Emporium, Madras.

(11) Kavadi (2 pieces), purchased from the Handicrafts Emporium, Madras.

(12) Kavadi with cloth, purchased from the Handicrafts Emporium, Madras.

(13) Sakti Ganapati, purchased from Kolundeswarar Devasthanam, Kottur, Mannargudi Taluk, Thanjavur District.

(14) Subrahmanya, purchased from Kolundeswarar Devasthanam, Kottur, Mannargudi Taluk, Thanjavur District.

(D) *Paintings.*—

(1) Srinathji, a painting in *pitchavi* style purchased from Thiru Vakni, Ahmedabad.

(2) Crayon painting of Krishna purchased from Thiru S. Ramamurti, Thanjavur.

(3) Ramapattabishekam, purchased from Handicrafts Emporium, Madras.

(4) Navanithakrishna, purchased from Handicrafts Emporium, Madras.

(5) Mahishasuramaddhni, purchased from Handicrafts Emporium, Madras.

(6) Sarasvathi, purchased from Handicrafts Emporium, Madras.

(7) Elephant, purchased from Handicrafts Emporium, Madras.

- (8) Birth of the Buddha prepared by and purchased from Thiru E. Govindan, Madras.
- (9) Temptation, prepared by and purchased from Thiru E. Govindan, Madras.
- (10) Buddha's Parinirvana, prepared by and purchased from Thiru E. Govindan, Madras.
- (11) Mahakapi Jataka, prepared by and purchased from Thiru E. Govindan, Madras.
- (12) Chhaddanta Jataka, prepared by and purchased from Thiru E. Govindan, Madras.
- (13) Sibi Jataka, prepared by and purchased from Thiru E. Govindan, Madras.
- (14) Ruru Jataka, prepared by and purchased from Thiru E. Govindan, Madras.
- (15) Dasaratha Jataka, prepared by and purchased from Thiru E. Govindan, Madras.
- (16) Yajna Jataka, prepared by and purchased from Thiru E. Govindan, Madras.
- (17) Vassantara Jataka, prepared by and purchased from Thiru E. Govindan, Madras.
- (18) Sutasoma Jataka, prepared by and purchased from Thiru E. Govindan, Madras.
- (19) Kurangamarga Jataka, prepared by and purchased from Thiru E. Govindan, Madras.
- (20) Mandanata Jataka, prepared by and purchased from Thiru E. Govindan, Madras.

(E) Miscellaneous.

- (1) Ivory Rose Water Sprinkler, purchased from Thiru S. Ramamurthy, Thanjavur.
- (2) Ivory chess coin, purchased from Thiru S. Ramamurti, Thanjavur.
- (3) Porcelain Jar-like wine jug, purchased from S. Ramamurti, Thanjavur.
- (4) Coconut shell carving, purchased from S. Ramamurthi, Thanjavur.
- (5) Metal vase with Persian coat of Arms, purchased from S. Ramamurti, Thanjavur.
- (6) Metal vase with Chinese Art, purchased from S. Ramamurti, Thanjavur.
- (7) Chamaram (2pieces), purchased from Handicrafts Emporium, Madras.
- (8) Pallam Kunjri, purchased from Handicrafts Emporium, Madras.
- (9) Mandapam in three parts, purchased from Handicrafts Emporium, Madras.
- (10) Kavadi Kavacham, purchased from Handicrafts Emporium, Madras.
- (11) Kavacham for Kirita, purchased from Handicrafts Emporium, Madras.
- (12) Kavacham for body (small), purchased from Handicrafts Emporium, Madras.
- (13) Kavacham for body (big), purchased from Handicrafts Emporium, Madras.
- (14) Thanjavur Sombus (2 in number), purchased from Handicrafts Emporium, Madras.
- (15) Tibetan plates (2 in number), purchased from Handicrafts Emporium, Madras.
- (16) Tibetan Jars (2 in number), purchased from Handicrafts Emporium, Madras.

III. By Gift—

- (1) Stone sculpture of a Gramadevata presented by Thiru S. T. Srinivasagopalachari.
- (2) Chinese Box presented by Selvi E. Gladys Mitchell.
- (3) Mandarin Scarf presented by Selvi E. Gladys Mitchell.

Work in the Galleries —

- (1) A few paintings were reframed and exhibited in the Picture Gallery.
- (2) Descriptive labels in Archaeological galleries were renewed.

(3) Show cases in the New Buddhist Gallery were provided with solidum treatment. The display of antiquities in this Gallery was improved by providing wooden planks beneath small exhibits.

(4) Four loose sculptures in the Hindu Sculpture Gallery were provided with pedestals.

(5) The bases of all show cases in the Metalware Gallery were repainted.

(6) A fresh descriptive label for Terracottas was prepared and displayed in the New Extension Gallery.

(7) The umbrella in the miniature replica was refixed.

(8) The crystal (Bhattiprolu) case was painted and reliquaries were re-exhibited.

(9) The labels in Gupta sculpture case were bound and put up in the case.

Indexing.—Card indexing for different categories of archaeological antiquities was continued. The Amaravati, Jaggayappetta and Goli sculptures were registered in Accession registers.

Research.—The Curator continued preparing a catalogue of stone inscriptions and copper plate charters in the Museum. He read a paper on "Two unique Bronzes in the Madras Museum" in the seminar organised in connection with the second International Campaign for museums. He undertook a tour for an *in situ* study of archaeological material to Peralam, Tirukkoddikkavai, Sivapuram, Tiruvaiyaru, Panjetti, Takkolam, Edayarpakkam, Polur, Koyilar, Padaiveedu, Arni, Saidapet, Kaverippakkam, Kanchipuram, Uttiramerur, Mahabalipuram, Tiruttani and Sirukarumbur.

The Assistant Curator for Archaeology, completed his research on "the Cults of Minor Deities and submitted the thesis. He continued preparing catalogue of stone sculptures in the Museum. He contributed an article on "South Indian Wood Carvings" in the Bulletin of the Institute of Traditional Cultures (1967) and presented two papers, one on "Architectural terms in early Tamil Literature" and the other on "Dating of Sculptures"—"Need for Rethinking" in the seminar held in connection with the Second International Campaign for Museums. He also participated in a seminar on "Calendar in Hindu Tradition" organised by the Institute of Traditional Cultures and presented a paper on "Foreign Influence on the Hindu calendar".

Educational Activities.—

(1) The Curator and the Assistant Curator delivered lectures in the seminar organised in connection with the Second International Campaign for Museums.

(2) The Curator delivered a lecture on "Indian Paintings through the ages II" as part of Museum's educational service.

(3) The Curator gave a demonstration lecture for Teacher trainees.

Photographs added.—During the year under report fifty-one negatives and fifty-one prints were added to the collections.

Research facilities.—Research facilities were offered to the following to study the collections in the museum bearing relevance to their respective subjects:—

(1) Students of the school of archaeology, Archaeological Survey of India, New Delhi—Archaeological Antiquities in the Madras Museum.

(2) Selvi Jaya Appasamy, Lalit Kala Academy, New Delhi—Thanjavur Paintings.

(3) Thiru Jagdish Mittal, Hyderabad—Deccan Paintings.

(4) Thiru K. G. Krishnan, Deputy Superintending Epigraphist, Mysore—South Indian Inscriptions.

(5) Dr. K. V. Ramesh, Deputy Superintending Epigraphist, Mysore—South Indian Inscriptions.

(6) Thiru T. N. Subramanyan, Madras—South Indian Inscriptions.

(7) Thiru Haridas Swali, Bombay—South Indian Bronzes.

- (8) Dr. T. V. Mahalingam, University of Madras—South Indian Epigraphy.
- (9) Dr. R. Champakalakshmi, University of Madras—Kaveripakkam Sculptures.
- (10) Mr. Stanislaw Chojnacki, Librarian and Curator of the Museum, Institute of Ethiopian Studies, Addis Ababa—Buddhist Iconography.

Visual Aids rendered.—Metal casts in miniature replica images of Nataraja, Rama and Sita were prepared and put up for sale.

Plan for the year 1968-69—

- (1) Fixing up the murals in the New Buddhist Gallery.
- (2) Provision of individual fluorescent lights in the Bronze Gallery for the show cases.
- (3) Better labelling for Bronze Gallery exhibits.
- (4) Pelmetts to be provided for the windows in the Bronze Gallery and Metalware gallery.
- (5) Registering and cataloguing of textile specimens and the wooden printing blocks for textile designs.
- (6) Providing descriptive labels for each show case in the Metalware gallery describing the history of each type of traditional arts and crafts (such as bidriware, etc.).
- (7) Display of photographs of Jain sculptures or monuments in the blank wooden panel in Jain Gallery.
- (8) Providing a barbed wire fencing for the Archaeology shed.
- (9) Providing labels for all exhibits in the Sculpture galleries (including the Amaravati Gallery) which are at present without labels.

Research and Publications—

- (1) Catalogue of the copper plate grants to be completed.
- (2) Guide to the Metalware and Wood Carvings galleries to be completed.
- (3) Guide to the Bronze Gallery to be taken up.
- (4) Catalogue of stone sculptures by Thiru V. R. Mani to be completed.
- (5) Reprinting of the Bulletin on "Tiruparuthikundram and its temples".
- (6) Reprinting of the Bulletin on "Amaravati sculptures".
- (7) Reprinting of the book "Story of Buddhism".
- (8) Thiru T. N. Subrahmanyam's Bulletin on "Pandyan Copper Plate grants" to be completed and sent for printing.

THE NATIONAL ART GALLERY.

New Additions.—The Special Committee for the National Art Gallery met on 27th April 1967, selected and recommended the purchase of the following paintings of the Thanjavur School (offered by Thiru M. Sitaram):—

- (1) Venugopalakrishna ;
- (2) Durbar Krishna sitting ;
- (3) Subrahmanya with two consorts.
- (4) Indra worshipping Lingha ; and
- (5) Ramapattabishekam.

A portrait of a Maharaja of Travancore and that of Maharaja Svatitirunal of Travancore were presented by Thiru Ambhabhai Gopinath. They were retouched and exhibited in Room No. 1.

Research Facilities.—Research facilities were rendered to Thiru Jagdish Mittal of Hyderabad, Haridas Swali of Bombay, Selvi Jaya Appasamy of New Delhi, etc.

Work in the Galleries.—All the labels in the gallery were renewed.

Plan for the year—

Publications.—A Guide to the National Art Gallery by the Curator for Archaeology was released.

- (1) Organising the rear upstairs room as a gallery of modern art.
- (2) Effecting improvements to the lighting in the front two rooms.
- (3) Framing of the specimens of textiles in the front room to be completed.
- (4) Repairing cane sofas.

CHEMICAL CONSERVATION SECTION.

Museum objects cleaned and preserved.

ARCHAEOLOGY—*Bronze image.*—Six bronze images were electrolytically treated and suitably preserved.

Two bronze images were chemically treated and suitably preserved.

Two bronze images were initially treated with chemical and finally in electrolytic cells.

Wood Carvings.—Twenty-four wood carving were chemically cleaned and preserved.

Sculpture.—The sandstone sculpture "Yakshini" was strengthened using suitable preservative coating.

The stain present on the face of the Sutamalli Buddha sculpture was removed using suitable chemical.

ANTHROPOLOGY—*Iron articles.*—Fourteen swords, one ornamented spear, eight cannon balls and three guns were given chemical treatment and preserved.

Leather articles.—Three leather shadow play figures were given treatment and suitably preserved.

Dresses, Feathers and leaves—Twenty-nine military dresses, peacock tail and a book of palm leaves were fumigated to destroy the insects, worm, moths or the like species by making use of suitable chemical.

ZOOLOGY.—Silver portions on the tusks and mirror in the skeleton gallery were polished using silver smith's rouge and then applied suitable preserving coating.

NEW ADDITION OF EQUIPMENTS, ETC.—Research Microscope and Stereo microscope were procured for the Chemical Conservation Section.

TRAINING.—Thiru N. Ramachandra Rao, Research Fellow in Museology and Museum studies was given the necessary facilities and given demonstration in preservation of objects.

VISITORS.—Thiru Pankaj Kumar Datta, Assistant Conservator, Victoria Memorial Hall visited the Chemical Conservation Section on 5th October 1967.

The students of Museology course, M. S. University, Baroda visited the section on 31st October 1967.

The students of the training college visited the section on 2nd March 1968.

They were given the necessary facilities, taken around the Laboratory and explained about the working of the chemical conservation laboratory.

LECTURES.—The following lecture was delivered to the Public during the 2nd International Campaign for Museums on 13th November 1967 under the chairmanship of Thiru V. V. Muralidhara Rao, Scientist, Central Leather Research Institute, Madras.

The Lecture on "The influence of environment" was delivered by the Curator, Chemical Conservation Section.

CHILDREN'S SECTION.

Additions to the collections made during the year 1967-68—

1. One model of a tractor with two trailers made of plastic.
2. One working model of a washing machine 'Piko' make, battery operated. Ht. 20 cms.
3. The following seven papier mache figures were acquired and added to the collection :—
 - (1) A standing figure of a man with a hair tuft. Ht. 33 cms.
 - (2) Standing figure of a lady in a sarree. Ht. 31 cms.
 - (3) Standing figure of an old man leaning on a stick. Ht. 32 cms.
 - (4) Thambura player—Sitting posture. Ht. 20 cms.
 - (5) Astrologer—Sitting posture. Ht. 20 cms.
 - (6) Seated figure of a man—Presumably a palmist (with Red turban).
 - (7) Sitting figure of a man presumably a barbar.
4. A "Dry Aquarium" made of teak wood with paper fishes mounted inside, against a painted background with corals and shells in the foreground.
6. Two Art panels—Comprising of two display stands and 8 specimens of child Art, Co-operative House Construction Society Limited—
 - (1) Scale model of a house with a removable roof and a covered courtyard. 34 inches by 21 inches by 14 inches.
 - (2) Scale model of a house with a removable roof and an open courtyard. paintings.
6. Two Art panels—Comprising of two display stands and 8 specimens of child Art
7. One Mural (of child art) painting on masonite sheet.
8. One working model of a Helicopter—'Piko' make battery operated.
9. *Additions to the gallery.*—One (child Art) mural painting and a Transport mural were added to the gallery during the year.

Other routine items of work such as dusting, cleaning of the interior of show-cases, replacing the old discoloured labels, by newly printed ones, replacing the burnt out tube-light incandescent lamps provided inside the show-case were continued. Provision of naphthaline balls inside the show-cases, replacing the broken glass panes of show-cases. Attending to the repair of sattalite globe and train, working models, etc., were continued during the year.

Photo negatives added.—Thirteen Photo negatives were added during the year.

GOVERNMENT MUSEUM, PUDUKKOTTAL.

General—Working Hours.—The Government Museum works on all days except Mondays and declared gazetted Government holidays. The working hours of the Museum Office are from 10-30 a.m. to 5 p.m. and the galleries from 8 a.m. to 11-30 a.m. and 2 p.m. to 5 p.m.

The weekly holiday is Monday, and the admission is free to all.

In the academic year 1967-68, this institution has worked for 292 days.

Visitors.—The total number of visitors during the year 1967-68 was 97,223 with a daily average of 33. (Appendix A).

Distinguished visitors.—Most of the distinguished visitors who happen to pass through Pudukkottai have never failed to visit the Museum, and have added appreciative remarks about this Institution in the Visitors' Book.

Administration.—The Curator is the head of the office, assisted by an Assistant Curator, a Technical Assistant, a Junior Taxidermist and two clerks. Besides this, the Museum galleries are looked after by nine gallery guards and two night watchmen. The garden is being maintained by one full-time gardener.

The Director of Museums, Government Museum, Madras visited this Museum from 8rd to 11th August 1967 for annual inspection. He made valuable suggestions for the improvement of the galleries on modern lines and these are being carried out as and when funds permit.

The annual budget of this Museum including Plan Scheme in 1967-68 was Rs. 29,295 (Appendix C).

Tours.—The Curator undertook tours in and around Pudukkottai area for collecting specimens for the Natural History Section.

Extra-mural activities.—Necessary assistance was rendered to schools whenever parties of school children visited the museum.

Galleries.—All the specimens, show-cases and the building were always kept clean and tidy. The specimens were given preservative treatment as and when required.

The show-cases have been arranged according to the sequence of the subject and at the same time allowing more moving space to the visiting public.

Improvements in the Galleries—Geology.—About 64 photographs of Stone quarry Industry of Pudukkottai are being mounted and displayed in the Geology Gallery. Many pictures and photographs exhibited in the Geology Gallery were redisplayed in the Arts and Industries Gallery.

Zoology—Invertebrates.—Two show-cases were newly made to accommodate the specimens of Porifera, Coelenterata, etc., which are now kept in Technical assistant room.

Reptiles.—The old and colour-faded 'python' specimen was replaced by a fresh specimen prepared in this Museum itself.

Mammals.—A 'Panther' specimen about 7 feet 3 inches was purchased from Messrs. Southern Taxidermist, Bangalore, and displayed in the gallery.

Botany.—The 'Fibre' show-cases were brought from the Arts and Industries Section to form a single subject group. The framed pictures of 'Fungus Diseases' and 'Tea-culture' have been re-arranged and displayed in proper sequence.

The following old and colour faded descriptive labels which were reprinted in the Government Press, Madras were re-exhibited in the gallery :—

- (1) Grow more food Campaign (Tamil).
- (2) Woods used in India for Cart and Carriage building.

Arts and Industries.—The paintings and picture gallery have been shifted from the Geology gallery.

Masonite sheet basement have been provided to three quadrangular show-cases to cover the struts and wooden legs.

Anthropology.—Twelve pictures of Tribals were framed in wood and displayed in a plywood display board.

All the rusty iron implements of pre-historic burial were given protective preservative treatment by applying a thin coating of celluloid solution prepared by mixing celluloid sheets, Amyl Acetate and Acetone in 2 : 49 : 49 proportions.

Sculptures.—All the displayed and photographs were arranged as per the entries in the Accession Register for easy checking. Some of the colour-faded and moth-eaten photographs in the picture Revolving stand were replaced by fresh ones.

Bronzes.—The exhibits were rearranged according to iconography. Dark drill khodi curtains were provided for the windows containing only glass panes.

Exit sculptures.—The pedestals of the stone sculptures were distempered in light grey colour.

Library.—About thirty-five books (Appendix D) were added to the library.

Equipments, including furniture and fittings.—Four Steel Bureaus have been purchased from the Government Steel Factory, Vellore, to store the costly apparatus and materials like Binoculars, Gun, Microscopes, etc., and poisonous chemicals and acids.

One old bureau type show-case in Zoology Gallery was modernised.

Buildings.—Among the list of urgent structural alterations and repairs required to the present museum building submitted in 1963, the Public Works Department, Tiruchirappalli, has completed the following works :—

- (1) Converting the open tiffin shed into a regular room with three windows and a double door.
- (2) Providing iron bars to the open windows of the Curator's room.
- (3) Protecting verandah of wood-carvings and the whales skeleton by welded mesh-guards.

The following are the remaining urgent works yet to be carried out :—

- (1) Construction of a Record Room and a room for the Assistant Curator.
- (2) Fencing about 3 feet above the present compound wall for better protection.
- (3) The colour and white-washing the galleries and the building.

The acquisition of a site in the Kattupudukkulam area in Pudukkottai for the construction of a new building for the present Museum is pending with the Government. The plans and sketches have been submitted to the Executive Engineer, Tiruchirappalli, for preparation of estimates.

Garden.—This has been improved considerably and made attractive. The plants and flower beds are being maintained in good condition.

Plans for the year 1968-69—Geology.—Colour-washing the whole show-case and mounting about 64 new photographs in the empty vertical frames.

Botany.—Making a sloping case to exhibit the framed specimens showing the Diseases of Plants'.

Botany.—Making a sloping case to exhibit the framed specimens showing the 'Diseases of Plants'.

General.—Purchasing and installing a water-cooler to the visiting public.

B. T. SATYAMURTI,
Director of Museums, Government Museum, Madras.

CONNEMARA PUBLIC LIBRARY (EXCHANGES).

The number of institutions sending their journals in exchange for the Museum Bulletin was 182 and the number of publications received from them was 340.

S. T. SATYAMURTHI,

*Director of Museums, Government Museum, Madras,
and*

Associate Librarian, Connemara Public Library, Madras.

APPENDIX I.

COMPLETE LIST FOR THE YEAR 1967-68 OF TREASURE TROVE COINS IN THE MADRAS STATE.

A. Acquired by the Museum.

Treasure trove number.	Accession number.	Particulars.	Metal.	Number found.	Number recovered.	Number acquired.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
846	903	Coins with Tamil Brahmi legend.	Lead	143	143	143

B. Not acquired.

Treasure trove receipt and despatch register.	Treasure trove General Accession register.	Particulars.	Metal.
(1)	(2)	(3)	(4)
464	351	Nine coins	Gold.
432	356	1802 Chola Rajaraja coins	Copper.

APPENDIX II.

ANTHROPOLOGY.

A. Acquired by the Museum.

Serial number.	Treasure trove number.	Accession number.	Name and locality.
(1)	(2)	(3)	(4)
1	335	84a & b ..	Two gold ear-rings from Kolijipatti village, Nilakottai taluk, Madurai district.
2	337	86-1 to 86-4 ..	Three gold rings and a gold sheet from Ukata-thampatti village, Tiruppathur taluk, Ramanathapuram district.
3	339	85-1 to 85-8 ..	A gold chain with ten knots, four gold Muhappus, nine Nagavadams, nine ear-rings, two silver sarmarai, a muhappu with twelve red stones, a gold bottu and one Thali from Kondamanaickenpatti village, Namakkal taluk, Salem district.
4	355	88-1 & 88-2 - 89-1 to 89-3 -	One gold chain, one silver waist-band, from Alagumatai village, four gold toe rings, Two gold thayathus, one gold armlet thayathu from Avanasipalayam Palladam taluk, Coimbatore district.

B. Not Acquired.

1	334	..	Two gold pieces, Kirugakottai village, Tirupathur taluk, Ramanathapuram district.
2	344	..	Thirty-six bottus, two bells from Kumaramangalam village, Vridhachalam taluk, South Arcot.
3	345	..	A gold ring with a white stone, five gold bits from Arasavanangadu village, Nannilam taluk, Thanjavur district.
4	343	..	A gold chain a Karukken and a Murugu from Neethappur village, Perambalur taluk, Tiruchirappalli district.
5	346	..	A round bit of gold, three small bits of gold and a metal broken receptacle made of base metal, from Noohiyur, Mannargudi taluk, Thanjavur district.

APPENDIX II—Cont.

ARCHAEOLOGY.

A. List of treasure trove objects acquired by Museum.

Serial number.	Accession number.	Treasure trove number.	Particulars.	Locality.
(1)	(2)	(3)	(4)	(5)
1	592	836	Balakrishna	Nerurvadapagam, Karur taluk, Tiruchirappalli district.
2	593	"	Santanagopala	
3	594	"	Six perforated balls	
4	595	840	Kirtimukha	
5	596	"	Circular plate	Kiranur, Palani taluk, Madurai district.
6	597	"	Siva as Sukhasana	
7	598	"	Devi	Tiruvetichipatti, Tiruchirappalli taluk, Tiruchirappalli district.
8	599	"	Do.	
9	600	"	Ganesa	
10	601	"	Umasahita	
11	602	"	Krishna	Thamarankottai, Pattukkotti taluk, Thanjavur district.
12	603	843	Ganesa	
13	604	"	Do.	
14	605	"	Parvati	
15	607	847	Dancing Krishna	Naganendal, Tiruwananai taluk, Ramana- nathapuram district.
16	608	"	Venugopala	
17	609	"	Dhanvantri	Essanur, Nagapattinam taluk, Thanja- vur district.
18	610	850	Devi	
19	611	853	Manmatha	Vannangundu, Ramana- nathapuram taluk, Ramana- nathapuram district.
20	612	854	Santanagopala	Muttam, Chidambaram taluk, South Arcot district.
21	613	"	Vessel (container)	
22	614	"	Snanapita	
23	615	"	Tripod	
24	616	"	Rattle with perforations	Tiruvaduthurai, Mayuram taluk, Thanjavur district.
25	617	"	Do.	
26	618	"	Rattle with perforations (small).	
27	619	"	Vessel with handle	
28	620	852	Parvati	Tiruvaduthurai, Mayuram taluk, Thanjavur district.
29	621	"	Chandrasekhara	
30	622	"	Sula	
31	623	"	Prabha	

B. Not acquired.

1	..	838	Three Prabhas. Broken hand of an idol.	Puduppatti, Thanjavur taluk, Thanjavur district.
2	..	841	Broken pieces of Tripods, Bowls, etc., etc.	Kottakuppam, Tindivanam, South Arcot district.
3	..	842	Two unidentified stone sculptures.	Panjetti, Ponneri taluk, Chingleput district.

Notable Additions to the Collections during the year 1967-68.
ZOOLOGY.

Serial number.	Accession number.	Particulars.
(1)	(2)	(3)
1	6/1967.	The stuffed and mounted specimen of Panther (<i>Panthera pardus</i>).
2	8/1967.	A collection of 30 (thirty) shell specimens received from Ubersee-Museum, Bremen, West Germany as exchange for some bird skins and mammals skins sent to them from the Madras Government Museum.
3	15/1967.	The stuffed and mounted specimen of Mute Swan (<i>Cygnus olor</i>).
4	1/1968.	The stuffed and mounted specimen of the Nine-banded Armadillo (<i>Dasypus novemcinctus</i>).
5	2/1968.	The stuffed and mounted specimen of the large American Opossum <i>Didelphis marsupialis marsupialis</i> .

BOTANY.

<i>Serial number.</i>	<i>Accession number.</i>	<i>Particulars.</i>
(1)	(2)	(3)
1	1-40/1967.	Forty herbarium specimens of N.W. German flora.

GEOLOGY.

<i>Serial number.</i>	<i>Accession number.</i>	<i>Particulars.</i>
(1)	(2)	(3)
1	10/1967.	Vesicular basalt.
2	11/1967.	Amygdaloidal basalt.
3	12/1967.	Pectolite.
4	13/1967.	Trachyte.
5	23/1967.	Pyrrhotite.

ANTHROPOLOGY.

<i>Serial number.</i>	<i>Accession number.</i>	<i>Particulars.</i>	<i>Method acquired.</i>
(1)	(2)	(3)	(4)
1	1/67 to 8/67	Eight temple vahanas.	Purchased from Handicraft Emporium, Mount Road, Madras.
2	91-67 to 9-50/67	Fifty leather shadow play figures, Andhra.	Do.
3	10-1/67 to 10-3/67	Three sets of Palm leaf manuscripts.	Received as gift from Thiru G.J. Rajahsingh, District Forest Officer, Vellore East division.
4	11/67 to 15/67	Five glove puppets of Uttarpradesh.	Purchased from Thirumathi Seethalakshmi, Puppet Player, Madras-20.
5	16/67 to 25-2/67	Three sets with boxes and stands (containing ten standards).	Purchased from the Public Works Department Workshop and Stores, Mint, Madras-1.
6	771 to 1775	Tribal wood carvings and bronzes.	Got on exchange from the Brooklyn Children's Museum, Brooklyn, New York.
7	1776 to 1739	Five flat votive offerings.	Purchased from Bhavani Iswari Temple, Periapalayam, Chingleput District.
8	2420 to 2423	Four weapons of Arms.	Received as gift from Thiru R.J.M.V. Ettappan, Zamindar of Ettayapuram, Tirunelveli district.
9	2424	A long spear. In the sword blade the figures of Lakshmi and Gajalakshmi are seen. The wooden handle with dancing figures.	Purchased from late Thiru S. T. Srinivasagopalachari, Madras-7.
10	2425 to 2432	One iron gunpowder flask and seven cannon balls.	Received as gift from late Thiru S.T. Srinivasagopalachari, Madras-7.
11	2433 to 2436	Four cannon balls.	Received as gift from Thiru G. J. Rajasingh, District Forest Officer, Vellore East Division.

ANTHROPOLOGY—cont.

Serial number. (1)	Accession number. (2)	Particulars. (3)	Method acquired. (4)
12	2437	A double barrelled gun of Vice-Chairman, Bulgaria.	Presented by the Governor of Madras, Sardar Ujjal Singh.
13	1/67 to 20/67	Twenty megalithic potteries.	Received as gift from Thiru P.V.R. Naidu.
14	21/67	Six pre-historic green colour beads.	Received as gift from late Thiru S. T. Srinivasagopalachari Madras-7.
15	22-1/67 to 22-3/67	Three megalithic potteries.	Received as gift from Thiru G.J. Rajah Singh, District Forest Officer, Vellore East Division.
16	23-1/67 to 23-2/67	Two bronze pieces of megalithic burials.	Do.
17	24/67	A stone chopper.	Do.

NUMISMATICS.

Serial number. (1)	Accession number. (2)	Metal. (3)	Particulars. (4)
1	960	Silver and copper	Pandyan, Chola, Mysore Odayar and Indo-British coins.
2	961	Bronze] -- -- --	3 Madras Exhibition Medals.
3	962	--	986 old postage stamps.
4	964	--	3 Historical Documents and 2 seals of the English East India Company.

ARCHAEOLOGY.

Serial number. (1)	Accession number. (2)	Particulars. (3)
1 and 2	1673 and 1674 -- -- --	Two portraits presented by Thiru Ambhabhai Gopinath.
3	1676 -- -- --	Gramadevata, stone sculpture, presented by Thiru S.T. Srinivasagopalachari.
4 and 5	1676 and 1683 -- -- --	A chinese Box and a Mandarin's scarf presented by Miss Gladys Mitchell.
6 [to] 10	1677 to 1681 -- -- --	Paintings in Tanjore School purchased from Thiru M. Sitaram.
11	1682 -- -- --	Painting of Sri Nathji purchased from Thiru Vakni of Ahmedabad.
12 to 15	1684 to 1687 -- -- --	Four wood carvings from Kr'pasemudrappurumal Devasthanam, Sirupuliyur, Nannilam taluk, Tanjore District.
16 to 22	1688 to 1694 -- -- --	Seven art objects purchased from Thiru S. Ramamurthy, Thanjavur.
23 to 44	1695 to 1716 -- -- --	Twenty-two art objects purchased from the Handicrafts Emporium, Madras.
45 to 57	1717 to 1729 -- -- --	Thirteen Murals prepared by and purchased from Thiru E. Govindan, Madras.
58	1730 -- -- --	Tara, purchased from the Collector of Customs.
59 and 60	1731 to 1732 -- -- --	Two wood carvings purchased from Kolundeeswarar Devasthanam, Kottur, Mannargudi taluk, Tanjore District.
61 to 67	1733 to 1739 -- -- --	Six stone inscriptions and one architectural piece from Ilangadu, Wandiwash taluk, North Arcot District, acquired through the good offices of the Tahsildar, Wandiwash.
68	606 -- -- --	Panchatirthi, a Jain bronze image purchased from Customs House, Madras.

CHILDREN'S SECTION.

Serial number.	Accession number.	Particulars.
(1)	(2)	(3)
1	67/3	One working model of a Helicopter—'piko' make— Battery operated.
2	67/5	One working model of a washing machine.
3	67/7	Dry aquarium—made up of teak wood.

APPENDIX IV₃

Visitors to the Museum.

	1966-67.	1967-68.
Total number of visitors	716,282	724,075
Total number of visitors on Sundays	190,662	167,330
Total number of visitors on Dwadasi day	4,173	2,038
Total number of visitors on Kanum Pongal Day	21,105	19,387

The Centenary Exhibition Hall was used for 17 Exhibitions during the year 1967-68. A sum of Rs. 545 was realised as rent against Rs. 842 in the previous year.

MUSEUM THEATRE.

The Museum Theatre was used for 204 engagements during the year of which 172 were for dramatic performances and the rest for rehearsal and meetings. A sum of Rs. 6,468 was realised as rent and a sum of Rs. 662.50 has in addition been credited to Government towards the overtime fee for the Caretaker's overtime attendance.

APPENDIX V₂

List of photo negatives prepared during the year 1967-68.

ZOOLOGY.

Serial number.	Negative number.	Size of the Negative.	Particulars.
(1)	(2)	(3)	(4)
1	Z.F. 472	$\frac{1}{4}$ size.	Plastic embossed chart (small size) General zoology—Invertebrates—Porifera and Protozoa.
2	Z.F. 473	"	Plastic embossed chart (small size) General zoology—Invertebrates—Arthropoda—General characters.
3	R.F. 474	"	Plastic embossed chart (small size) General zoology—Invertebrates—Arthropoda: Myriapoda, Arachnida and Crustacea.
4	Z.F. 475	"	Plastic embossed chart (small size) General zoology—Invertebrates—Arthropoda—Insects.
5	Z.F. 476	"	Plastic embossed chart (small size) General zoology—Invertebrates—Echinodermata, Mollusca, Annelida, Platyhelminthes, Ctenophora and Coelenterata.
6	Z.F. 477	"	Plastic embossed chart (large size) General zoology—Vertebrates—Fishes.
7	Z.F. 478	"	Plastic embossed chart (large size) General zoology—Vertebrates—Reptiles and Amphibia.
8	Z.F. 479	"	Plastic embossed chart (large size) General zoology—Vertebrates—Birds.
9	Z.F. 480	"	Plastic embossed chart (large size) General zoology—Vertebrates—Mammals.
10	Z.F. 481	"	Hammer-headed shark— <i>Sphyrna zygaena tudes</i> .

APPENDIX V—cont.

List of photo negatives prepared during the year 1967-68

ZOOLOGY—cont.

Serial number.	Negative number.	Size of the Negative.	Particulars.
(1)	(2)	(3)	(4)
11	Z.F. 482	$\frac{1}{2}$ size.	Tiger shark—(<i>Stegostoma tigrinum</i>).
12	Z.F. 483	"	Mako shark—(<i>Isuopsis mako</i>).
13	Z.F. 484	"	Interior view of the New Bird's Gallery.
14	Z.F. 485	35 m.m. (16 negatives) (in $\frac{1}{2}$ size cover.)	Photographs of Tiger taken at Madras Corporation Zoo.
15	Z.F. 486	2" x 2"	Photographic negatives showing the different stages of preparing owl diorama.
16	Z.F. 487	"	Photographic negatives showing the different stages of stuffing a large bird, Adjutant Stork.
17	Z.F. 488	$\frac{1}{2}$ Size.	6 photographs of the Microscopic structures of the eye of grasshopper and the Rat embryo.
18	Z.F. 489	$\frac{1}{2}$ "	<i>Aspergillum dichotomum</i> —(a wood-borer).
19	Z.F. 490	"	<i>Teredo uperotus clava</i> —(a wood-borer).
20	Z.F. 491 to 502	$\frac{1}{2}$ " (12 negatives).	Photographs of the Indian Elephant showing its different uses in a timber company at Rangoon prepared by M/s K. and P.

BOTANY.

Number.	Size.	Description.
(1)	(2)	(3)
B. XVII. 9	Half.	Nepenthes ampullaria.
B. XVII. 10	"	Drowned ants and other insects floating on the pool in the pitcher of the pitcher plant.
B. XVII. 11	"	Monkey drinking water from the pitcher of the pitcher plant.
B. XIX. 1	Full.	Aerial view of the special exhibition of agricultural implements in action.

GEOLOGY.

Negative Number.	Size of film.	Particulars.
(1)	(2)	(3)
G. II b. 10	2 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "	Thiru E. George Jesudossan, Curator, Geology Section delivering a popular lecture on Refractories at the Centenary Exhibition Hall.
G. II b. 11	"	Do.
G. II b. 12	"	Core samples containing coals.
G. II b. 13	"	Do.
G. I 49	$\frac{1}{2}$	Glass manufacture—Raw materials for making glass.
G. I 50	"	Glass manufacture—Batch mixing.
G. I a. 1	"	Glass manufacture—Batch charging.
G. I a. 2	"	Glass manufacture—Manufacturing the articles.
G. I a. 3	"	Glass manufacture—Inspection of the articles.
G. I a. 4	"	Glass manufacture—Finishing operation—Cracking off.
G. I a. 5	"	Glass manufacture—Finishing operation—Neck grinding.
G. I a. 6	"	Glass manufacture—Finishing operation—Surface grinding.
G. I a. 7	"	Glass manufacture—Finishing operation—Graduation.
G. I a. 8	"	Glass manufacture—Samples of semi-finished products.
G. I a. 9	"	Glass manufacture—Samples of finished products.
G. I a. 10	"	Do.

GEOLOGY—cont.

Negative Number.	Size of film.	Particulars.
(1)	(2)	(3)
G. I a. 11	2½" × 2½"	Glass manufacture—Final inspection and packing.
GDN. 1	12½" × 5½" documentation negative.	Chief divisions of geological time scale.
GDN. 2	"	A comparison of thickness of sediments and their age as determined by radio-active minerals.
GDN. 3	"	Major earth movements and phases of igneous activity.
GDN. 4	"	Climate and nature of the rocks deposited with special reference to Britain.
GDN. 5	"	Some stages in the course of plant evolution with special reference to Britain.
GDN. 6	"	Evolution of animal life: Some outstanding events and episodes.

ANTHROPOLOGY.

Serial Number.	Negative number.	Size.	Particulars.
(1)	(2)	(3)	(4)
1	E. IV 1/1 4	Fall.	A group of megalithic potteries loaned to the Tamil Conference Exhibition through the Director of Archaeology, Madras Government for display 1967.
2	" 5	"	Another group of megalithic potteries loaned to Tamil conference Exhibition.
3	" 6	"	Burial urn. Tirunelveli type loaned for exhibition.
4	" 7	"	A Sarcophagees—Arumbakkam—loaned for Tamil Conference Exhibition, December 1967.
5	" 8	"	A group of bronze and iron objects of megalithic period—loaned to Tamil Conference exhibition.
6	" 9	"	A group of iron objects—Megallthic period—loaned to Tamil conference exhibition.
7	" 10	"	Another group of iron objects—Megalithic period—loaned for display at the Tamil Conference exhibition. December 1967.
8	" 11	"	Six swords, etc., from Tanjore Armoury from Arms Gallery loaned for display at the Tamil Conference Exhibition.
9	" 12	"	A group of gold and silver ornaments and jewels received as treasure trove finds—from strong room loaned for display at the Tamil Conference Exhibition—December 1967.
10	" 13	"	Neolithis and palaeoliths loaned for International Trade Fair for Madras for display given to the State Exhibition Officer.
11	" 14	"	A group of potteries (including animal figurines of Nilgiri Excavations) for I. I. F. Exhibition.
12	" 15	"	A group of potteries of megalithic period (for I. I. F. Exhibition).
13	" 16	"	Iron implements of Adichanallur (for I. I. F. Exhibition).
14	" 17	"	Two leather shadow-play figures (Mysore and Kerala) for I. I. F. Exhibition.
15	E. IV 1/1 18	"	Andhra Leather shadow play figure (Arjuna) for I. I. F. Exhibition.
16	" 19	"	Andhra string puppets two for I. I. F. Exhibition.
17	" 20	"	Palaeoliths proposed to be exchanged with the University Centre for Palaeo—Homined studies, North Carolina, U. S. A.
18	" 21	"	Do.

ANTHROPOLOGY—cont.

Serial number.	Negative number.	Size.	Particulars.
(1)	(2)	(3)	(4)
19 —	E. XXVII 7	Half.	Spouted bowl—broad neck.
20 —	" 8	"	Plywood box for packing leather shadow play figures with partitions.
21 —	" 9	"	Do.
22 —	" 10	"	Sankavaram burial potteries.
23 —	" 11	"	Do.
24 —	E. 18—25	Quarter.	Broken materials after receiving them from the Tamil Conference Exhibition.
25 ..	F. VI—4	2½" x 2½"	Research facilities given to Dr. Kusswaul, W. Germany in the Prehistory Storage room.
26 —	" 5	"	Sankavaram megalithic potteries.
27 —	" 6	"	Do.
28 ..	" 7	"	Broken materials received from Tamil Conference Exhibition.
29 —	" 8	"	Arms, etc., exhibited in the Tamil Conference Exhibition.
30 ..	" 9	"	Potteries exhibited in the Tamil Conference Exhibition.
31 ..	" 10	"	Coins exhibited in the Tamil Conference Exhibition.
32 ..	" 11	"	Jewellery exhibited in the Tamil Conference Exhibition.
33 —	" 12	"	Bronzes exhibited in the Tamil Conference Exhibition.
34 ..	" 13	"	Wood carvings exhibited in the Tamil Conference Exhibition.

ARCHAEOLOGY.

Film number.	Size.	Accession number.	Particulars.
(1)	(2)	(3)	(4)
1873 ..	Half.	1873 ..	Portrait of Swati Tirunal, Maharaja of Travancore (before Treatment).
1873 ..	"	1674 ..	Portrait of a Maharaja of Travancore (before treatment).
1873 ..	"	1673 ..	Portrait of Swati Tirunal, of Maharaja of Travancore (after treatment).
1874 ..	"	1674 ..	Portrait of Maharaja of Travancore (after treatment).
1875 —	"	...	Treasure Trove objects and utensils.
1876 ..	"	607/67 to 609/67.	Balakrishna, Venugopala and Dhanvantri.
1877 —	"	513/65	Vishnu.
1878 ..	"	564/66	Kaliyakrishna.
1879 —	"	721/53, 684/53, 469/52.	Wood carvings.
1880 —	"	709/53, 535/52, 851/53.	Do.
1881 —	"	112/60—39	Symbolic Gajalakshmi, Kaveripakkam.
1882 —	"	1360/60	Malabar lady with Vina and Drum. (painted on glass).
1883 —	"	2442	Sivaji and his wife Tarabai.
1884 ..	"	1207/51	Lady with violin.
1885 —	"	630/53	Portrait of Mr. C. P. Pillai.
1886 —	"	1680/67	Venugopala with cowherd boys.
1887 —	"	1679/67	Navanita Krishna.
1888 ..	"	1681/67	Rama Pattabhishekam.
1889 ..	"	1678/67	Indra worshipping Linga.
1890 —	"	1677/67	Subrahmanya with his consorts.

ARCHAEOLOGY—cont.

<i>Film number.</i>	<i>Size.</i>	<i>Accession number.</i>	<i>Particulars.</i>
(1)	(2)	(3)	(4)
1891	Quarter	..	Stone Inscription, Takkolam.
1892	"	..	Stone Inscription, Tirukkalukkumaram.
1893	Half	..	Replica of Ardhanariswara (front).
1894	"	..	Do. (back).
1895	"	..	Do. (Right side).
1896	"	..	Do. (left side).
1897	Full	..	Objects loaned to World Tamil Conference Exhibition.
1898	"	..	Do.
1899	"	..	Do.
1900	"	..	Do.
1901	"	..	General view of the Exhibits collected during past 10 years.
1902	"	..	General view of the Temple Arts Exhibition during ICOM.
1903	"	..	Do.
1904	"	..	Do.
1905	"	..	Do.
1906	"	..	Do.
1907	"	..	Do.
1908	"	..	Do.
1909	"	..	Treasure Trove Bronzes from Tiruchengodu taluk (To be acquired), and a Jain Panchatirthi. (606/67).
1910	"	..	Treasure Trove from Tiruchengodu taluk. (Not acquired).
1911	Half	..	Rama, Vadakkampunnaiyur. (Back view).
1912	"	1706/87	Saraswati Thanjavur School Painting.
1913	"	2471	Coronation of Yuddhisthira Painting.
1914	"	176-143	Muslim chief receives something from a mendicant—Deccan Painting.
1915	"	2452	Nobleman amidst Women, Deccan Painting.
1916	"	171-48/43	Mirza Muhammad Sultan Bahadur, Deccan Painting.
1917	"	1342/60	Krishna and Yasoda (glass painting).
1918	"	1351/60	Youth As an Angel (glass painting).
1919	"	1357/60	Rama Pattabhisheka (glass painting).
1920	Full	78-5/38, 161	Parvati, Somaskanda and Balasubrahmanya.
1921	"	..	Recopying of Saptamatrika panel from Jhansi.

CHILDREN SECTION.

<i>Serial number.</i>	<i>Negative number.</i>	<i>Size.</i>	<i>Particulars.</i>
(1)	(2)	(3)	(4)
1	F 41	Half	General view of the children's Gallery.
2	F 42	2B	General view of the thematic exhibition on "South Indian Temple Arts".
3	F 43	"	Entrance to the thematic exhibition.
4	F 44	"	Do.
5	F 45	"	View of the Anthropology section in the exhibition.
6	F 46	"	Introductory exhibit—Methods of collection of museum exhibits.
7	F 47	"	Do.
8	F 48	"	General view of the introductory hall.
9	F 49	"	General view of the second exhibition.
10	F 50	"	General view of the introductory hall with the costume dolls case.
11	F 51	"	View of the quiz board show case.
12	F 52	"	Museum staff against the background of the panther case.
13	F 53	"	The Panther and the Adjutant Stork.

APPENDIX VI.

Price list of Madras Government Museum Bulletins, (New Series).

Note.—Orders for copies of the publications should be accompanied by remittance to cover the cost and postage. For the trade terms, the Director of Museums, Government Museum, Madras, should be addressed.

Volume and number.	Description.	of Number pages.	of Number plates.	Price.	Rates after allowing 25 per cent discount.
(1)	(2)	(3)	(4)	(5)	(6)
				rs. P.	rs. P.
<i>Natural History Section.</i>					
† Vol. I, No. 1, 1927.	The Littoral Fauna of Krusadai Island in the Gulf of Mannar, with appendices on the vertebrates and plants. By various authors.	196	26	8 00	6 00
† Vol. I, No. 2, Part I, 1933.	Supplement to the Littoral Fauna of Krusadai Island in the Gulf of Mannar—Polychaeta by P. Fauvel, Pycnogonida by B. Sundara Raj and Alpheidae by F. H. Gravely.	79	1	2 00	1 50
† Vol. I, No. 2, Part 2, 1931.	Three Species of Alcyonaria. By Sydney J. Hickson, F.R.S. (with three text figures).	9	Nil.	0 25	0 19
† Vol. I, No. 2, Part 3, 1936.	Scyphomedusae of Krusadai Island. By M.G.K. Menon, M.A.	9	1	0 50	0 38
† Vol. I, No. 2, Part 4, 1937.	Supplement to the Littoral Fauna of Krusadai Island in the Gulf of Mannar—Porifera. By M. Burton, D.Sc.	58	9	1 87	1 41
† Vol. I, No. 2, Part 5, 1943.	The Foraminifera of Krusadai Island in the Gulf of Mannar. By C. P. Gnanamuthu, M.A., D.Sc., F.Z.S.	21	4	1 37	1 03
Vol. I, No. 2, Part 6.	Amphineura Gastropoda of Krusadai Island. By S. Thomas Satyamurti, M.A., F.Z.S.	267	24	10 75	8 07
Vol. I, No. 2, Part 7.	Scaphopoda, Pelecypoda and Cephalopoda of Krusadai Island. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	202	20	9 37	7 00
† Vol. II, 1929	The Flowering Plants of the Madras City and its immediate neighbourhood. By P. V. Mayuranathan, B.A., Botanical Assistant, Madras Museum.	345	53	8 00	6 00
Vol. III, No. 1, 1930.	The Scyphomedusae of Madras and the neighbouring Coast. By M. G. K. Menon, M.A., Research Scholar, Madras University Zoological Laboratory.	28	3	1 12	0 84
Vol. III, No. 2, 1932.	The Hydromedusae of Madras. By M. G. K. Menon, M.A.	32	3	1 12	0 84
Vol. III, No. 3, 1933.	The Life Histories of Decapod Crustacea from Madras. By M. Krishna Menon, M.A.	45	10	Bound in one volume. 3 37	1 78
Vol. III, No. 4, 1933.	Sagitta of the Madras Coast. By C.C. John, M.A., D.Sc.	10	1		
Vol. III, No. 5, 1937.	Decapod Larvae from the Madras Plankton. By M. Krishna Menon, M.A., M.Sc.	55	9		
Vol. III, No. 6, 1940.	Decapod Larvae from the Madras Plankton—II. By M. Krishna Menon, M.A., M.Sc.	47	8	1 50	1 13

† The number is reserved for supplements to Krusadai Island, Fauna.

‡ Out of stock.

Volume and number.	Description.	Number pages.	Number plates.	Price.	Rate after allowing 25 per cent discount.
(1)	(2)	(3)	(4)	(5) Rs. P.	(6) Rs. P.
<i>Natural History Section—cont.</i>					
Vol. IV, No. 1, 1931.	The Indian Species of Genus <i>Caralluma</i> (Fam. Asclepiadaceae). By F. H. Gravely, D.Sc., and P. V. Mayuranathan, B.A., Government Museum, Madras.	28	4	1 50	1 13
† Vol. IV, No. 2, 1938.	Supplement to the Flowering Plants of Madras City and its immediate neighbourhood. By E. Barnes, D.Sc.	46	7	1 67	1 26
† Vol. V, No. 1, 1941.	Shells and other Animal Remains found on the Madras Beach. I. Groups other than snails, etc. By F. H. Gravely, D.Sc.	112	NIL	3 12	2 34
† Vol. V, No. 2, 1942.	Shells and other Animal Remains found on the Madras Beach. II. Snails, etc. (Mollusca Gastropoda). By F. H. Gravely, D.Sc.	110	NIL	2 75	2 07
Vol. VI, No. 1, 1949..	The Thaliacea of the Madras Plankton. By R. Velappan Nair, M.Sc.	41	6	1 75	1 32
Vol. VI, No. 2 ..	Cirripedia of the Madras Coast. By A. Daniel.	40	16	2 37	1 78
Vol. VI, No. 3, 1959.	The Amphipoda of the Madras Coast. By K. Nagappan Nair, M.Sc.	59	16	4 35	3 27
Vol. VI, No. 4, 1960.	The Land and Freshwater Mollusca in the Collection of the Madras Government Museum. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	174	21	13 00	9 75
1960	Guide to the Snakes exhibited in the Reptile Gallery. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	25	18	0 75	0 57
1961	Guide to Snakes exhibited in the Reptile Gallery (Tamil). By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	26	18	0 62	0 47
1962	Guide to the Lizards, Crocodiles, Turtles and Tortoises exhibited in the Reptile Gallery. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	45	28	1 37	1 03
1963	Guide to the Galleries of Foreign Animals, General Zoology, Skeletal exhibits and Amphibians. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	65	40	2 00	2 25
1964	Guide to the Mammal Gallery by S. T. Satyamurti, M.A., D.Sc., F.Z.S.	73	45	2 36	1 77
1965	Guide to Fish Gallery. by S. T. Satyamurti, M.A., D.Sc., F.Z.S.	85	56	3 60	2 70
1967	Guide to Invertebrate Galleries by S. T. Satyamurti, M.A., D.Sc., F.Z.S.	164	66	7 05	5 29
1968	The South Indian Amphibia in the Collection of the Madras Government Museum by S.T. Satyamurti, M.A., D.Sc., F.Z.S.	80	13	5 80	4 35
1968	Descriptive catalogue on Butterflies in the collection of the Madras Government Museum by Dr. S. T. Satyamurti, M.A., D.Sc., F.Z.S.	355	32	30 95	23 18

General Section (with separate volumes for Anthropology and Archaeology respectively).

Vol. I, No. 1, 1929 ..	Buddhist Sculptures from a Stupa near Goli Village, Guntur district. By T. N. Ramachandran, M.A., (Reprint).	44	12	1 55	1 17
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† Out of stock.

<i>Volumes and number.</i>	<i>Description.</i>	<i>Number of pages.</i>	<i>Number of plates.</i>	<i>Price.</i>	<i>Rate after allowing 25 per cent discount.</i>
(1)	(2)	(3)	(4)	(5)	(6)
				rs. P.	rs. P.
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† Vol. I, No. 2, 1932.	Catalogue of the South Indian Hindu Metal Images in the Madras Government Museum. By F. H. Gravely, D.Sc., and T. N. Ramachandran, M.A.	144	23	5 50	4 13
† Vol. I, No. 3, 1934.	Tiruparuttikundram and its temples with appendices on Jaina units of measurement and time cosmology and classification of souls. By T. N. Ramachandran, M.A.	260	37	11 25	8 44
Vol. II, No. 1, 1930 ..	The Adichanellur skulls. By S. Zuokerman, M.A., M.B.C.S., L.R.C.P., with Notes. by Prof. G. Elliot Smith, F.R.S.	24	3	1 37	1 03
Vol. II, No. 2, 1931 ..	The Sri Veishnava Brahmins. By Diwan Bahadur K. Rangachari, M.A., L.T.	158	22	5 75	4 32
Vol. III, No. 2, 1931.	Catalogue of the Musical Instruments exhibited in the Government Museum, Madras. By P. Sambamurthi, B.A., B.L., (Revised Edition).	32	14	2 25	1 69
† Vol. II, No. 4, 1937.	Social and Physical Anthropology of the Nayadis of Malabar. By A. Aiyappan, M.A.	141	12	3 12	2 34
Vol. III, No. 1, 1934.	The three Main Styles of Temple Architecture recognized by the Silpasastras. By F. H. Gravely, D.Sc., and T. N. Ramachandran, M.A. (Reprints).	26	2	1 10	0 83
Vol. III, No. 2, 1936.	An outline of Indian Temple Architecture. By F. H. Gravely, D.Sc. (Reprint).	20	2	0 50	0 38
† Vol. III, No. 3, 1938.	Catalogue of Venetian Coins in the Madras Government Museum. By T. G. Aravamuthan, M.A., B.L.	59	1	1 50	1 18
Vol. III, No. 4 ..	Indian Epigraphy and South Indian Scripts. By C Sivaramamurthi, M.A., (Reprint).	280	12	13 55	10 17
1939	Guide to the Archaeological Galleries. An Introduction to South Indian Temple Architecture and Sculpture. By F. H. Gravely, D.Sc. and C. Sivaramamurthi, M.A., and other Curators (Reprint).	50	4	0 55	0 42
1939 — ..	Illustrations of Indian Sculpture—Mostly Southern. For use with the Guide to the Archaeological Galleries. By F. H. Gravely, D.Sc. and C. Sivaramamurthi, M.A. (Reprint).	..	45	0 95	0 72
Vol. IV, 1942 ..	Amaravathi Sculptures in the Madras Government Museum. By C Sivaramamurthi, M.A. (Reprint).	376	65	16 50	12 38

General Section (with separate volumes for Anthropology and Archaeology respectively—cont.)

† Vol. V, No. 1, 1944.	Iravas and Culture Change. By A. Aiyappan, M.A., Ph.D. (London).	204	12	16 60	12 45
Vol. VI, No. 1, 1952..	Possible Sumerian Survivals in Toda Ritual. By H. R. H. Prince Peter of Greece, M.A. (Hry), Ltd.	24	10	6 25	4 69
† 1952	Madras Government Museum Centenary Souvenir (1851–1951).	158	12	5 00	3 75

<i>Volume and number.</i>	<i>Description.</i>	<i>Number of pages.</i>	<i>Number of plates.</i>	<i>Price.</i>	<i>Rate after allowing 25 per cent discount.</i>
(1)	(2)	(3)	(4)	(5)	(6)
				Rs. P.	Rs. P.
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1952	Guide to the Buddhist Antiquities. By A. Aiyappan and P. R. Srinivasan (Reprint)	54	12	0 80	0 60
Vol. VII, No. 1, 1954.	Nagapattinam Bronzes. T. N. Ramachandran (Reprint).	156	30	9 70	7 28
1953	Coins of India Through the ages	17	3	0 40	0 38
1957	Early Eastern Chalukyan Sculpture. By C. Sivaramamurthi (Reprint).	71	35	2 90	2 10
Vol. VII, No. 3, 1959.	Select Satavahana Coins in the Madras Government Museum. By M. Ramaswamy, M.A., Ph.D.	23	2	1 75	1 32
† Vol. VII, No. 4, 1959.	Beginnings of the Traditions of South Indian Temple Architecture. By P. R. Srinivasan, M.A.	34	..	1 70	1 2 ⁸
Vol. VII, No. 5, 1959.	The Gopuras of Tiruvannamalai. By F. H. Gravely, D.Sc.	8	13	5 90	4 43
1960	Handbook of Museum Technique, Edited by A. Aiyappan, M.A., Ph.D. and S. T. Satyamurti, M.A., D.Sc., F.Z.S.	223	11	2 75	2 07
1960	Scripts in and around India. By V. Kannian, B.A.	46	..	2 70	2 0 ³
1961	Kalaichelvagal. (Tamil). By R. Nagaswamy, B.A. (Hons.).	68	40	1 00	0 75
1962	Pazankala Panpadum Pazam Kudikalai Panpadum (Tamil). By C. J. Jayadev, M.A.L.T. and M. Raghupathy, M.A., M.A.	61	33	1 60	1 20
Vol. VIII, 1963 ..	Bronzes of South India, By P. R. Srinivasan, M.A.	396	205	57 00	42 75
1964	Handbook of the Madras Government Museum. Edited by S. T. Satyamurti, M.A., D.Sc., F.Z.S.	154	160	5 40	4 05
1964	Guide to the Anthropological exhibits by C. J. Jayadev, M.A.	47	37	1 05	0 79
Vol. IX, No. 1, 1964.	Nolamba Sculptures. By C. Sivaramamurthi, M.A.	30	45	14 12	10 59
1965	A Guide to the Children's Gallery. By A. Vimala.	18	14	1 25	0 94
Vol. X, No. 1, 1966 ..	The Glaciations and the Prehistoric Ages By M. D. Raghavan.	22	7	1 60	1 20
1966	Guide to the Principal exhibits in the Government Museum, Pudukkottai. by M. S. Chandrasekhar.	129	35	5 00	3 75
Vol. IX, No. 2, 1966.	The Dowlashweram Hoard of Eastern Chalukyan and Chola Coins. by T. Balakrishnan Nair, M.A. (Madras), M.A. (London).	22	4	4 80	3 60
1967	Guide to the National Art Galleries by V. N. Srinivasadesikan, M.A., B.A. (Hons).	55	8	5 00	3 75
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		ms. P.	ms. P.	
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1916	The Book of the Madras Exhibition, 1915-1916.	3 00	2 25
1946	List of the Inscriptions on Tombs or monuments in Madras—Possessing Historical of Archaeological Interest by Jubian James Cotton; C. S., Volume I.	11 50	8 63
1946	List of the Inscriptions on Tombs or monuments in Madras—Possessing Historical of Archaeological Interest by Jubian James Cotton; C. S., Volume II.	5 25	3 94

TRADE TERMS.

1. The publications of the Government Museum, Madras, will be supplied only on pre-payment of the cost of the publications and sufficient postage there on by Money-order or by cash;
2. Cheques or Bank drafts will not be accepted due to accounting difficulties;
3. A discount of 25 per cent will be allowed to all authorised book-sellers.

APPENDIX VII.

Receipts and Expenditure.

(A) RECEIPTS.

	Amount.
	ms. P.
1 Sale of Photos	298 50
2 Sale of Photo Album	30 00
3 Sale of coins	2,123 88
4 Sale of Metal casts of coins	900 00
5 Sale of Replicas of Rama, Sita and Nataraja	2,205 00
6 Theatre advance	10,458 50
7 Sale of Microfilm copies	250 08
8 Other Miscellaneous Receipts	2,996 68
9 Sale of Publications	2,717 02
10 Sale of Picture Post Cards	161 80
11 Museum Theatre Rent	6,720 00
12 Museum Theatre Lawn Rent	45 00
13 Centenary Exhibition Hall Rent	400 00
14 Museum Restaurant Rent	3,732 00

(B) EXPENDITURE.

	RS.	P.
27. Scientific Departments—<i>a. A. Museums.</i>		
1. Pay of Officers	17,221	00
2. Pay of Establishment	1,34,227	00
3. Allowances—		
Travelling Allowance	1,560	00
Dearness Allowance	96,711	00
Other Allowance	25,729	00
4. Office Contingencies—		
Office Expenditure	48,157	00
Cost of Contingent Staff .. .. .	..	..
Other items	70,214	00
5. Other Charges—		
Other Charges	11,500	00
6. Maintenance of Pandmanabhapuram Palace and Museum of Antiquities.	1,127	00
(d) Development Schemes—(ii) Schemes in the IV Five-Year Plan.	..	..
A. Improvements to Government Museums at Madras and Pudukkottai.	—	—
(1) Apparatus and Materials	41,284	00
(2) Cost of specimens	68,268	00
(b) Grants-in-aid and Donations to Scientific Societies and Institutes.		
Grants to—		
The Gandhi Smarak Sangrahalaya, Madurai .. .. .	..	..
The Numismatic Society of India, Varanasi	600	00
The Museum Association of India, New Delhi	300	00

Appendices Relating to the Government Museum, Pudukkottai.

APPENDIX A.

Account of visitors from 1st April 1967 to 31st March 1968.

1967—		
April	6,603	
May	9,065	
June	8,067	
July	7,238	
August	8,242	
September	7,772	
October	7,655	
November	8,934	
December	7,834	
1968—		
January	6,663	
February	10,281	
March	8,389	
Total	97,223	

39 APPENDIX B.

List of Schools which visited the Museum During 1967-1968.

<i>Date.</i>		<i>Name of School.</i>	<i>Teachers.</i>	<i>Page.</i>
(1)		(2)	(3)	(4)
1 15th April 1967	..	P. V.E. School, Kammangudi, Pudukkottai Division.	1	10
2 30th April 1967	..	Hindu Higher Elementary School, Ammapatti.	2	20
3 4th May 1967	..	Tiruppathur P.V.E. School, Ammapatti ..	1	3
4 18th July 1967	..	Thirupparaithurai Tapovanam Vivekananda High School.	4	25
5 29th July 1967	..	Selvar Mahajana High School, Aruppukkottai.	4	63
6 23rd August 1967	..	Bani Municipal High School, Pudukkottai ..	11	26
7 27th August 1967	..	Chidambaram Chettiar Memorial High School, Namanasamudram.	4	120
8 27th August 1967	..	Swamy Vivekananda Higher Elementary School, Sivaganga.	4	20
9 30th August 1967	..	Municipal Higher Elementary School, Rajagopalapuram.	3	69
10 2nd September 1967	..	P.V.E. School, Keezhamattukkadu, Kulathur Taluk.	6	58
11 2nd September 1967	..	T.E.L.C. High School, Pudukkottai	1	45
12 15th September 1967	..	R.C. School, Pudukkottai	4	90
13 16th September 1967	..	Government Boys' High School, Arur, Dharmapuri.	4	60
14 19th September 1967	..	Tiruvarangulam P.V. Higher Elementary School, Alangudi.	2	15
15 19th September 1967	..	Government Agriculture School, Tiruvarangulam.	2	19
16 30th September 1967	..	Regina Elementary School and High School, Ammapettai, Thanjavur.	15	62
17 28th October 1967	..	Government High School, Ilalapettai, Tiruchirappalli District.	2	10
18 28th October 1967	..	Neykkundu School, Near Virachilai, Tirumayam Taluk.	2	25
19 15th November 1967	..	Findlay High School, Mannargudi	2	25
20 15th November 1967	..	Do.	1	12
21 16th November 1967	..	Board High School, Puvalur	2	15
22 17th November 1967	..	Government High School, Pattukkottai ..	7	13
23 19th November 1967	..	Vankkodu Elementary School, Karambakkudi Panchayat Union.	2	45
24 25th November 1967	..	Gudalur Elementary School, Ponamaravathi, P.U.	1	6
25 25th November 1967	..	Higher Elementary School, Tiruvarangulam Union.	2	20
26 25th November 1967	..	Higher Elementary School, Pallanviduthi, Tiruvarangulam Union.	1	10
27 25th November 1967	..	Sri Saraswathy High School, Konspet	4	20
28 25th November 1967	..	Sri P. S. Sivaswamy Ayyar High School, Tirukattupalli.	2	23
29 2nd December 1967	..	Subbaramier School, Pudukkottai	2	45
30 2nd December 1967	..	Karambakkudi Union Elementary School, Ponnamaravathi P.U.	3	12
31 2nd December 1967	..	Government High School	4	60
32 3rd December 1967	..	Sarfoji Government College	3	69
33 5th December 1967	..	Municipal Higher Elementary School, Sandai-pettai, Pudukkottai.	4	89
34 10th December 1967	..	Ms. AR. A. S. and P. S. P. V. Staff, Recreation Club.	1	40
35 18th December 1967	..	Subbarayapatti School, Marungapuri Union, Manapparai Division.	2	12
36 20th December 1967	..	Municipal Higher Elementary School, Ponnamaravathi.	2	

<i>Date.</i>	<i>Name of School.</i>	<i>Teachers.</i>	<i>Pupils.</i>
(1)	(2)	(3)	(4)
37 26th December 1967 ..	Tirumangalaikottai School, Orathanadu, P.U.	2	47
38 28th December 1967 ..	Agricultural Tr. School, Kadiyapatti ..	1	10
39 4th January 1968 ..	Elementary School, Peravoorani P.U., Pattukottai.	1	9
40 20th January 1968 ..	Boiler Plants, School, Trichy ..	4	60
41 8th February 1968 ..	T.E.L.C. Senior Basic School, Pudukkottai ..	1	30
42 8th February 1968 ..	T.E.L.C. Higher Elementary School, Pudukkottai.	5	300
43 8th February 1968 ..	Government High School, Perungalur..	11	160
44 9th February 1968 ..	Andakulam Government High School ..	2	40
45 9th February 1968 ..	Baliah Elementary School, Pudukkottai ..	8	270
46 10th February 1968 ..	Andakulam Board School, Kunnandarkoil ..	5	73
47 10th February 1968 ..	U. Ele. School, Perungalur, Tiruvarangulam P.U.	2	90
48 10th February 1968 ..	S.B.F. School, Ramachandrapuram ..	2	35
49 10th February 1968 ..	Chettipatti School, Tiruvarangulam, P. U.	2	15
50 10th February 1968 ..	Sri M. Narayana Chettiar High School, Koppanapatti.	6	54
51 14th February 1968 ..	Muthulakshmi Reddy Women Centre, Machuvadi, Pudukkottai.	1	27
52 18th February 1968 ..	Puthampur Higher Elementary School, Tiruvarangulam, P.U.	1	54
53 24th February 1968 ..	Natarajapuram R.M.E. School, Tirupathur Taluk.	2	57
54 24th February 1968 ..	Government High School, Peravurani, Tanjore District.	2	33
55 25th February 1968 ..	Annachathiram P. U. Elementary School, Kavinadu Sub Division, Alangudi Taluk.	1	22
56 28th February 1968 ..	Agriculture Training School, Kadiyapatti ..	1	14
57 2nd March 1968 ..	Pudukkottai Sanskrit School and Oriental School.	4	72
58 2nd March 1968 ..	P. U. Elementary School, Vadakkupatti, Vennavalkudi.	1	6
59 24th March 1968 ..	Government High School, Kaverinagar ..	1	40
60 7th March 1968 ..	P.U. Elementary School, Sengeerai, Tirumayam.	3	37
61 14th March 1968 ..	P.U. Elementary School, Ayingudi, Tirumayam.	2	34
62 16th March 1968 ..	P.U. Elementary School, Mangadu, Tiruvarangulam.	2	10
63 20th March 1968 ..	P.U. Higher Elementary School, Aavanam, Peravoorani Taluk.	4	26
64 22nd March 1968 ..	Manickam Higher Elementary School, Devakottai.	10	60
65 23rd March 1968 ..	Tiruvanaikkavanpetti P. U. Elementary School,	1	106
66 23rd March 1968 ..	Piranmalai High School ..	7	50
67 23rd March 1968 ..	Government High School, Alangudi ..	7	79
68 23rd March 1968 ..	Mutharanallur Higher Elementary School, Anbhanallur.	13	80
69 23rd March 1968 ..	Little Flower Kindergarden School, Karai-kudi.	4	53
70 26th March 1968 ..	Santhanathapuram Municipal Higher Elementary School, Pudukkottai.	1	48
71 27th March 1968 ..	R.C. Higher Elementary School, Devadanam..	12	50
72 28th March 1968 ..	Municipal Higher Elementary School, Tiruvapur.	4	76
73 28th March 1968 ..	Yadukula Sangam, Tirichy ..	2	60
74 30th March 1968 ..	Municipal Higher Elementary School, Tiruvapur.	2	38
75 30th March 1968 ..	Municipal School, South Chithirai, Veedhi, Sreerangam.	10	70
		286	3,921

APPENDIX C.

Statement showing the Receipts and Expenditure in the Government Museum, Pudukkottai for the Year 1967-68.

(A) Receipts.

	Rs.	P.
Sale of Handy Guides—		
English	3	80
Tamil	19	20
Sale of Guide to the Principal Exhibits in the Government Museum, Pudukkottai	45	00
Total	68	00

Expenditure.

	Final Revised Estimate.	Actuals.
	Rs.	Rs.
Head of Account—27 Scientific Departments—A. Museums—A. Museums		
2 Pay of Establishment	16,204	16,204
3 Allowances—		
Travelling Allowance	96	96
Dearness Allowance	11,026	11,026
Other Allowances	770	726
	Final Revised Estimate.	Actual
	Rs.	Rs.
(1)	(2)	(3)
4 Office Contingencies—		
Office expenditure	2,101	2101
Cost of contingent staff	2,276	2,276
Other items	2,160	2,100
5 Other Charges—		
Other charges	22	22
	35,765	35,721

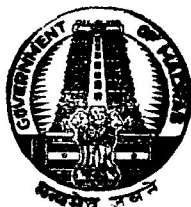
PLAN.

3. Development Schemes—	(II) Schemes in the Fourth Five Year Plan—Improvements to Government Museums at Madras and Pudukkottai.					
1 Apparatus and materials	..	..	..	..	1,454	1,454
2 Cost of specimens	..	..	..	..	2,110	2,110

APPENDIX D.

List of Library books added in the Library during 1967-68.

- 1 Man in India, Vol. 7, No. 1 January-March 1967.
- 2 Do. 2 April-June 1967.
- 3 Do. 3 July-September 1967.
- 4 Do. 4 October-December 1967.
- 5 Marg. Vol. XX No. 2 March 1967.
- 6 Do. 3 June 1967.
- 7 Do. 4 September 1967.
- 8 Journal of Bombay Natural History Vol. 63 No. 2 August 1966.
- 9 Do. No. 3 December 1966.
- 10 Do. Vol. 64 No. 1 April 1967.
- 11 Do. No. 2 August 1967.
- 12 Cultural Forum Vol. VIII No. 3 March-April 1966.
- 13 Do. No. 4 July 1966.
- 14 Do. Vol. IX No. 1 October 1966.
- 15 Do. No. 2 and 3 April 1967.
- 16 Do. No. 4 July 1967.
- 17 Studies in Museology Vol. III 1967.
- 18 Red Fort and Mughal Life—Dr. N. L. Mathur.
- 19 Archaeological Remains at Bhubaneswar—K. C. Panigrahi.
- 20 Guide to the National Art Gallery—V. N. Srinivasa Desikan.
- 21 The Dowlaishwaram hoard of Coins—by T. Balakrishna Nayar.
- 22 Translations of the Archaeological Society of S. India Vol. I, 1955.
- 23 Do. 1956-57.
- 24 Do. 1957-58.
- 25 Do. 1958-59.
- 26 Do. 1959-60.
- 27 Report on the Adittanalur skulls—B. K. Chatterjee.
- 28 VOM Aufgang der nearzeit.
- 29 Animal Kingdom—Vol. LXX No. 1, February 1967.
- 30 Animal Kingdom—Vol. LXX No. 2, April 1967.
- 31 Animal Kingdom—Vol. LXX No. 3, June 1967.
- 32 Guide to the Invertebrate Gallery—Dr. S. T. Satyamurti.



EDUCATION DEPARTMENT.

G.O. Ms. No. 1165, 19th July 1968

Museum—Administration Report of Government Museums at Madras and Pudukkottai and National Art Gallery, Madras, for 1967-68—Recorded.

READ—the following paper;—

Letter from the Director of Museums, No. 2011/68-E, dated 25th May 1968.

Order:

Recorded.

(By order of the Governor)

M. S. RAMESH,
Deputy Secretary to Government

- To the Director of Museums, Madras-9.**
- " Director of School Education, Madras-6.
 - " Director Collegiate Education, Madras-6.
 - " Accountant-General, Madras-18.5
 - " Director General of Archaeology in India, New Delhi.
 - " Revenue Department.
 - " Industries, Labour and Housing Department.
 - " Librarian, Madras Legislative Library, Madras-9.
 - " Librarian, Secretariat Library, Madras-9.
 - " Director of Stationery and Printing, Madras-1 (with a copy of the administration Report for printing and supplying of copies as specified in the Director of Museums Letter with a copy of No. 2011/68-E/, dated 25th May 1968,E.

Ст.